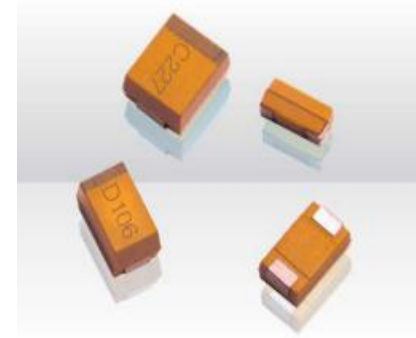


CA55 Series

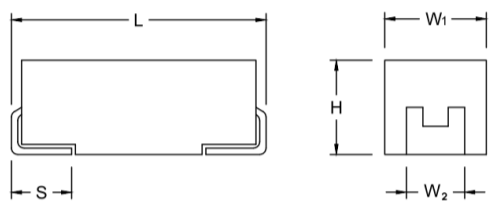
Conductive Polymer Chip Tantalum Capacitors

Features

- Epoxy molded encapsulation, Chip, Easy for integration, Polarized;
- Extremely low ESR , Volumetrically efficient , Stable in electrical & storage performances , Long life-span, High reliability;
- Typical applications include DC/DC converters , notebook PCs , portable electronics , telecommunications (mobile phone and base station) , displays ,SSD,HDD and USB;
- Operative Standard: QJ/PWV517-2013;



Dimensions(mm)



| Case Code | EIA Code | EIA Metric | L | W ₁ | H | W ₂ | S |
|-----------|----------|------------|-----------|----------------|-----------|----------------|-----------|
| A | 1206 | 3216-16 | 3.20±0.20 | 1.60±0.20 | 1.60±0.20 | 0.80±0.20 | 1.20±0.20 |
| B | 1210 | 3528-19 | 3.50±0.20 | 2.80±0.20 | 1.90±0.20 | 0.80±0.20 | 2.20±0.20 |
| C | 2312 | 6032-25 | 6.00±0.20 | 3.20±0.20 | 2.50±0.20 | 1.30±0.20 | 2.20±0.20 |
| H | 2917 | 7343-20 | 7.30±0.20 | 4.30±0.20 | 2.00±0.20 | 1.30±0.20 | 2.40±0.20 |
| D | 2917 | 7343-28 | 7.30±0.20 | 4.30±0.20 | 2.80±0.20 | 1.30±0.20 | 2.40±0.20 |
| E | 2917 | 7343-43 | 7.30±0.40 | 4.30±0.40 | 4.10±0.40 | 1.30±0.20 | 2.40±0.20 |
| V | 2924 | 7361-36 | 7.30±0.40 | 6.10±0.40 | 3.60±0.40 | 1.35±0.20 | 3.00±0.20 |
| W | 2924 | 7361-41 | 7.30±0.40 | 6.10±0.40 | 4.10±0.40 | 1.35±0.20 | 3.00±0.20 |

How to order

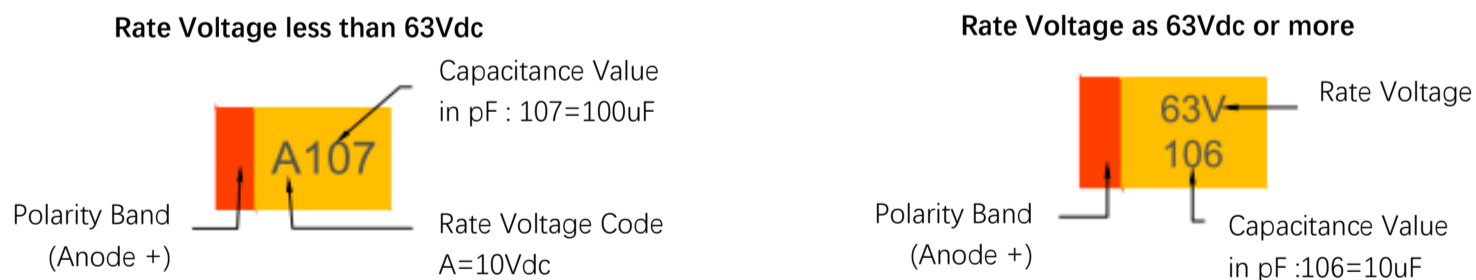
| | | | | | | | |
|-------------|-----------|---|---|------------------------------------|---|--|---|
| CA55 | - | D | 010 | M | 107 | T | E080 |
| Type | Separator | Case Size <small>See table above</small> | Rated DC voltage <small>2R5=2.5Vdc; 004=4Vdc; 6R3=6.3Vdc; 010=10Vdc; 016=16Vdc; 020=20Vdc; 025=25Vdc; 035=35Vdc; 050=50Vdc; 063=63Vdc; 075=75Vdc; 100=100Vdc</small> | Tolerance <small>M=±20%</small> | Capacitance Code <small>pF code: 1st two digits represent significant figures, 3rd digit represents multiplier (number of zeros to follow)</small> | Package <small>T=Reel; B=Bulk</small> | ESR <small>Last three digits specify ESR in mΩ (080=80 mΩ)</small> |

Environmental Compliance

RoHS Compliant (6/6) according to Directive 2002/95/EC when ordered with 100%Sn solder, Gold plated or Non-magnetic 100% Sn solder.



Marking



Technical Specifications

| Technical Data | All technical data relate to an ambient temperature of +25°C |
|----------------------------------|--|
| Operating Temperature Range | -55°C to +105°C |
| Rated Capacitance Range | 0.47 ~ 1000 μF at 100 Hz |
| Capacitance Tolerance | M tolerance (±20%); |
| Leakage Current DCL | 0.1CV (μA) at rated voltage after 5 minutes |
| Equivalent Series Resistance ESR | Refer to Part Number Electrical Specifications Table |
| Termination Finished | Sn Plating (standard), Gold and SnPb Plating upon request |
| Resistance to soldering heat | 3×260°C peak for max. 10s reflow |

**CAPACITANCE AND RATED VOLTAGE RANGE
(LETTER DENOTES CASE SIZE & ESR)**

| Rated Voltage (V) | 2.5 | 4 | 6.3 | 10 | 16 |
|-------------------|---|---|--|---------------------------------------|--|
| Capacitance (μF) | Case Code & ESR | | | | |
| 1 | | | | | B(300), |
| 1.5 | | | | | B(300), |
| 2.2 | | | | | B(300), |
| 3.3 | | | | | A(250), B(150,300), |
| 4.7 | | | | A(250), | A(250), B(100,150,300), C(150), |
| 6.8 | | | | A(180,250), | A(200), B(100,150,300), C(150), |
| 10 | | | A(120,250,300), | A(80,120,300), B(100), | A(200), B(100,200,300), C(150), |
| 15 | | A(120,300), B(100), | A(300), B(90), | A(80,200), B(90), C(70), | B(100,150,300), C(70,150), D(80), |
| 22 | | A(300), B(90), C(70), | A(90,300), B(90), C(70), | A(80), B(90,300), C(70), | B(150), C(70,150), D(60,80), E(80), |
| 33 | | A(70,300), B(90), C(70), | A(70,120,200), B(40,90,200), C(70,100), | B(40), B(90,200), C(70,100), | C(70,150), H(45,70), D(60,80), E(80), |
| 47 | A(90), | A(70,200), B(90), C(70), | A(150,200), B(40,90), C(70), | B(35,70,90), C(70,100), | C(150), H(45,80), D(35,70,90), E(50,80), |
| 68 | A(70,250), | A(250), B(25,40,80), C(70), | A(150), B(35,55,80), C(70,100), D(60), | C(45,70), H(45,60,100), D(45,60,100), | H(50,90), D(50,80), E(50,80), |
| 100 | A(200), B(25,40), B(70), | A(150,200,300), B(25,40,80), C(70), | A(70), B(25,45,70), C(25,45,70), H(45), D(60), | C(25,45,70), H(25,55), D(45,60,80), | H(50), D(60,80), E(40,80), |
| 150 | B(70), | B(25,40,70), C(25,45,100), H(25,45), D(60), | B(25,45,70), C(25,55), H(25,45), D(25,60), | C(55), H(25,55), D(25,40,60), E(50), | V(80), W(80), E(40,80), |
| 220 | B(25,55,70), C(25,45), H(25,45), D(40), | B(35,70), C(25,55), H(25,45), D(25,65), | B(25,70,200), C(25,45), H(25,50), D(40,60), E(50), | H(25,50), D(25,60), E(50), | V(40), V(80), W(80), E(35,50,80), |
| 330 | B(35,70), C(25,45), H(25,40), D(25,60), | C(25,45), H(25,50), D(25,60), E(50), | H(25,50), D(25,60), E(50), | V(40), E(35,50), | V(40), V(80), W(80), E(25,50,80), |
| 470 | C(25,45), H(25,50), D(25,40,60), | H(25,50), D(25,60), E(50), | H(35,55), D(30), V(40), E(35,50), | | |
| 680 | D(25,40), E(50), | D(25), V(40), E(35,50), | E(25), | | |
| 1000 | D(30), V(40), E(50), | | | | |

Continue

| Rated Voltage (V) | 20 | 25 | 35 | 50 | 63 |
|-------------------|--|--|--|----------------------------------|--------------------------------|
| Capacitance (μF) | Case Code & ESR | | | | |
| 0.68 | | B(300), | B(350), | B(350,400), | |
| 1 | B(300), | B(300) | B(350), | B(300,350) | B(300), C(200,300), D(120), |
| 1.5 | B(300), | B(300), C(150), | B(200,350), C(200), | B(300,350), C(200,300), | C(200,300), D(120), |
| 2.2 | A(250), B(150,300), | B(250,300), C(100,150), | B(200,350), C(200), | B(350), C(200,300), | C(200), D(120), |
| 3.3 | A(250), B(150,00), C(150), | B(250,300), C(100,150), | B(200,350), C(200), | C(200), D(100), | C(200), D(120), |
| 4.7 | B(150,300), C(100,150), | B(150,250,300), C(100,150), | B(200,350), C(200), | C(200), D(100), | C(200), D(75,120,300), E(120), |
| 6.8 | B(150,300), C(100,150), | B(90,150,300), C(100,150), | C(200), D(90), | C(200), H(70,90), D(70,100,120), | D(120), E(100,150), |
| 10 | B(100,150,300), C(100,150), | B(100,150,300), C(100,150), D(90), | B(200), C(200), H(70,120), D(90), E(90), | D(90,120), E(70,100), | D(120), E(50,100,150), |
| 15 | B(90), C(80,150), D(70,80), | B(100,150), C(150), H(90), D(90), E(80), | C(200), H(100,125), D(70,100), E(90), | V(100), E(70,100), | V(120), E(35,120,150), |
| 22 | C(100,150), H(45,70), H(90), D(60,80), E(50,80), | B(150), C(100,150), H(60,90), D(60,80,100), E(80), | D(70,100), E(90), | V(100), W(100), E(75,100), | W(120), |
| 33 | C(150), H(70), D(60,80), E(50,80), | H(60,100), D(60,80,100), E(80), | D(65), D(100), V(90), E(55,70,90), | V(100), W(100), E(75), | |
| 47 | C(150), H(55,70,90), D(55,80), E(50,80), | D(60,80,100), E(50,80), | V(90), W(90), E(30,55,90), | W(100), | |
| 68 | D(55,80), E(45,80), | D(80), V(80), E(50,80), | W(90), | | |
| 100 | D(55), V(80), E(45,80), | V(80), W(80), E(60,80), | | | |
| 150 | V(80), W(80), E(80), | V(80), W(80), | | | |
| 220 | V(80), W(80), E(80), | | | | |

RATING & PART NUMBER REFERENCE

| Part Number | Rated Voltage | Category Voltage | capacitance | Case Code | Max. DCL | Max. DF | Max. ESR | 100kHz RMS Current (mA) | | | Category Temperature | MSL |
|--------------------|---------------|------------------|-------------|-----------|----------|--------------|---------------|-------------------------|-------|--------|----------------------|-----|
| | V | V | | | @+25C° | @+25C°,100Hz | @+25C°,100KHz | +45C° | +85C° | +105C° | C° | |
| | | | μF | | μA | % | mΩ | | | | | |
| CA55-A2R5#476TE090 | 2.5 | 2.3 | 47 | A | 11.8 | 8 | 90 | 850 | 595 | 212 | 105 | 3 |
| CA55-A2R5#686TE070 | 2.5 | 2.3 | 68 | A | 17.0 | 8 | 70 | 964 | 675 | 241 | 105 | 3 |
| CA55-A2R5#686TE250 | 2.5 | 2.3 | 68 | A | 17.0 | 6 | 250 | 510 | 357 | 127 | 105 | 3 |
| CA55-A2R5#107TE200 | 2.5 | 2.3 | 100 | A | 25.0 | 6 | 200 | 570 | 399 | 143 | 105 | 3 |
| CA55-B2R5#107TE025 | 2.5 | 2.3 | 100 | B | 25.0 | 8 | 25 | 1732 | 1212 | 433 | 105 | 3 |
| CA55-B2R5#107TE040 | 2.5 | 2.3 | 100 | B | 25.0 | 8 | 40 | 1369 | 959 | 342 | 105 | 3 |
| CA55-B2R5#107TE070 | 2.5 | 2.3 | 100 | B | 25.0 | 8 | 70 | 1035 | 725 | 259 | 105 | 3 |
| CA55-B2R5#157TE070 | 2.5 | 2.3 | 150 | B | 37.5 | 6 | 70 | 1035 | 725 | 259 | 105 | 3 |
| CA55-B2R5#227TE025 | 2.5 | 2.3 | 220 | B | 55.0 | 8 | 25 | 1732 | 1212 | 433 | 105 | 3 |
| CA55-B2R5#227TE055 | 2.5 | 2.3 | 220 | B | 55.0 | 8 | 55 | 1168 | 817 | 292 | 105 | 3 |
| CA55-B2R5#227TE070 | 2.5 | 2.3 | 220 | B | 55.0 | 8 | 70 | 1035 | 725 | 259 | 105 | 3 |
| CA55-C2R5#227TE025 | 2.5 | 2.3 | 220 | C | 55.0 | 8 | 25 | 1897 | 1328 | 474 | 105 | 3 |
| CA55-C2R5#227TE045 | 2.5 | 2.3 | 220 | C | 55.0 | 8 | 45 | 1414 | 990 | 354 | 105 | 3 |
| CA55-D2R5#227TE040 | 2.5 | 2.3 | 220 | D | 55.0 | 10 | 40 | 1620 | 1134 | 405 | 105 | 3 |
| CA55-H2R5#227TE025 | 2.5 | 2.3 | 220 | H | 55.0 | 10 | 25 | 2236 | 1565 | 559 | 105 | 3 |
| CA55-H2R5#227TE045 | 2.5 | 2.3 | 220 | H | 55.0 | 10 | 45 | 1667 | 1167 | 417 | 105 | 3 |
| CA55-B2R5#337TE035 | 2.5 | 2.3 | 330 | B | 82.5 | 8 | 35 | 1464 | 1025 | 366 | 105 | 3 |
| CA55-B2R5#337TE070 | 2.5 | 2.3 | 330 | B | 82.5 | 8 | 70 | 1035 | 725 | 259 | 105 | 3 |
| CA55-C2R5#337TE025 | 2.5 | 2.3 | 330 | C | 82.5 | 8 | 25 | 1897 | 1328 | 474 | 105 | 3 |
| CA55-C2R5#337TE045 | 2.5 | 2.3 | 330 | C | 82.5 | 8 | 45 | 1414 | 990 | 354 | 105 | 3 |
| CA55-D2R5#337TE025 | 2.5 | 2.3 | 330 | D | 82.5 | 10 | 25 | 2049 | 1435 | 512 | 105 | 3 |
| CA55-D2R5#337TE060 | 2.5 | 2.3 | 330 | D | 82.5 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-H2R5#337TE025 | 2.5 | 2.3 | 330 | H | 82.5 | 10 | 25 | 2236 | 1565 | 559 | 105 | 3 |
| CA55-H2R5#337TE040 | 2.5 | 2.3 | 330 | H | 82.5 | 10 | 40 | 1768 | 1237 | 442 | 105 | 3 |
| CA55-C2R5#477TE025 | 2.5 | 2.3 | 470 | C | 117.5 | 8 | 25 | 1897 | 1328 | 474 | 105 | 3 |
| CA55-C2R5#477TE045 | 2.5 | 2.3 | 470 | C | 117.5 | 8 | 45 | 1414 | 990 | 354 | 105 | 3 |
| CA55-D2R5#477TE025 | 2.5 | 2.3 | 470 | D | 117.5 | 10 | 25 | 2049 | 1435 | 512 | 105 | 3 |
| CA55-D2R5#477TE040 | 2.5 | 2.3 | 470 | D | 117.5 | 6 | 40 | 1620 | 1134 | 405 | 105 | 3 |
| CA55-D2R5#477TE060 | 2.5 | 2.3 | 470 | D | 117.5 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-H2R5#477TE025 | 2.5 | 2.3 | 470 | H | 117.5 | 6 | 25 | 2236 | 1565 | 559 | 105 | 3 |
| CA55-H2R5#477TE050 | 2.5 | 2.3 | 470 | H | 117.5 | 6 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-D2R5#687TE025 | 2.5 | 2.3 | 680 | D | 170.0 | 10 | 25 | 2049 | 1435 | 512 | 105 | 3 |
| CA55-D2R5#687TE040 | 2.5 | 2.3 | 680 | D | 170.0 | 10 | 40 | 1620 | 1134 | 405 | 105 | 3 |
| CA55-E2R5#687TE050 | 2.5 | 2.3 | 680 | E | 170.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-D2R5#108TE030 | 2.5 | 2.3 | 1000 | D | 250.0 | 10 | 30 | 1871 | 1310 | 468 | 105 | 3 |
| CA55-E2R5#108TE050 | 2.5 | 2.3 | 1000 | E | 250.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-V2R5#108TE040 | 2.5 | 2.3 | 1000 | V | 250.0 | 10 | 40 | 1936 | 1356 | 484 | 105 | 3 |
| CA55-A004#156TE120 | 4 | 3.6 | 15 | A | 6.0 | 10 | 120 | 736 | 515 | 184 | 105 | 3 |
| CA55-A004#156TE300 | 4 | 3.6 | 15 | A | 6.0 | 6 | 300 | 465 | 326 | 116 | 105 | 3 |
| CA55-B004#156TE100 | 4 | 3.6 | 15 | B | 6.0 | 10 | 100 | 866 | 606 | 217 | 105 | 3 |
| CA55-A004#226TE300 | 4 | 3.6 | 22 | A | 8.8 | 6 | 300 | 465 | 326 | 116 | 105 | 3 |
| CA55-B004#226TE090 | 4 | 3.6 | 22 | B | 8.8 | 10 | 90 | 913 | 639 | 228 | 105 | 3 |
| CA55-C004#226TE070 | 4 | 3.6 | 22 | C | 8.8 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-A004#336TE070 | 4 | 3.6 | 33 | A | 13.2 | 8 | 70 | 964 | 675 | 241 | 105 | 3 |
| CA55-A004#336TE300 | 4 | 3.6 | 33 | A | 13.2 | 6 | 300 | 465 | 326 | 116 | 105 | 3 |
| CA55-B004#336TE090 | 4 | 3.6 | 33 | B | 13.2 | 10 | 90 | 913 | 639 | 228 | 105 | 3 |
| CA55-C004#336TE070 | 4 | 3.6 | 33 | C | 13.2 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-A004#476TE070 | 4 | 3.6 | 47 | A | 18.8 | 8 | 70 | 964 | 675 | 241 | 105 | 3 |
| CA55-A004#476TE200 | 4 | 3.6 | 47 | A | 18.8 | 6 | 200 | 570 | 399 | 143 | 105 | 3 |
| CA55-B004#476TE090 | 4 | 3.6 | 47 | B | 18.8 | 10 | 90 | 913 | 639 | 228 | 105 | 3 |
| CA55-C004#476TE070 | 4 | 3.6 | 47 | C | 18.8 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-A004#686TE250 | 4 | 3.6 | 68 | A | 27.2 | 6 | 250 | 510 | 357 | 127 | 105 | 3 |
| CA55-B004#686TE025 | 4 | 3.6 | 68 | B | 27.2 | 8 | 25 | 1732 | 1212 | 433 | 105 | 3 |
| CA55-B004#686TE040 | 4 | 3.6 | 68 | B | 27.2 | 8 | 40 | 1369 | 959 | 342 | 105 | 3 |
| CA55-B004#686TE080 | 4 | 3.6 | 68 | B | 27.2 | 8 | 80 | 968 | 678 | 242 | 105 | 3 |

- 1 Please do not use multimeter through the measuring procedures.
- 2 Capacitance and DF measured at :100Hz, U₊=2.2°-1.0V, U₋=1.0°-0.5V, Frequency=100Hz.Test only applied in series equivalent circuit.
- 3 Voltage derating is applied at +105C°. (The DCL parameter should be read after 5 minutes when it connected to the circuit) .
- 4 Special size and demand could consult with us.

RATING & PART NUMBER REFERENCE

| Part Number | Rated Voltage | Category Voltage | capacitance | Case Code | Max. DCL | Max. DF | Max. ESR | 100kHz RMS Current (mA) | | | Category Temperature | MSL |
|--------------------|---------------|------------------|-------------|-----------|----------|---------------|----------------|-------------------------|-------|--------|----------------------|-----|
| | V | V | | | @+25C° | @+25C° ,100Hz | @+25C° ,100KHz | +45C° | +85C° | +105C° | C° | |
| | | | μF | | μA | % | mΩ | | | | | |
| CA55-C004#686TE070 | 4 | 3.6 | 68 | C | 27.2 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-A004#107TE150 | 4 | 3.6 | 100 | A | 40.0 | 8 | 150 | 658 | 461 | 165 | 105 | 3 |
| CA55-A004#107TE200 | 4 | 3.6 | 100 | A | 40.0 | 8 | 200 | 570 | 399 | 143 | 105 | 3 |
| CA55-A004#107TE300 | 4 | 3.6 | 100 | A | 40.0 | 10 | 300 | 465 | 326 | 116 | 105 | 3 |
| CA55-B004#107TE025 | 4 | 3.6 | 100 | B | 40.0 | 8 | 25 | 1732 | 1212 | 433 | 105 | 3 |
| CA55-B004#107TE040 | 4 | 3.6 | 100 | B | 40.0 | 8 | 40 | 1369 | 959 | 342 | 105 | 3 |
| CA55-B004#107TE080 | 4 | 3.6 | 100 | B | 40.0 | 8 | 80 | 968 | 678 | 242 | 105 | 3 |
| CA55-C004#107TE070 | 4 | 3.6 | 100 | C | 40.0 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-B004#157TE025 | 4 | 3.6 | 150 | B | 60.0 | 8 | 25 | 1732 | 1212 | 433 | 105 | 3 |
| CA55-B004#157TE040 | 4 | 3.6 | 150 | B | 60.0 | 8 | 40 | 1369 | 959 | 342 | 105 | 3 |
| CA55-B004#157TE070 | 4 | 3.6 | 150 | B | 60.0 | 8 | 70 | 1035 | 725 | 259 | 105 | 3 |
| CA55-C004#157TE025 | 4 | 3.6 | 150 | C | 60.0 | 8 | 25 | 1897 | 1328 | 474 | 105 | 3 |
| CA55-C004#157TE045 | 4 | 3.6 | 150 | C | 60.0 | 8 | 45 | 1414 | 990 | 354 | 105 | 3 |
| CA55-C004#157TE100 | 4 | 3.6 | 150 | C | 60.0 | 8 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-D004#157TE060 | 4 | 3.6 | 150 | D | 60.0 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-H004#157TE025 | 4 | 3.6 | 150 | H | 60.0 | 10 | 25 | 2236 | 1565 | 559 | 105 | 3 |
| CA55-H004#157TE045 | 4 | 3.6 | 150 | H | 60.0 | 6 | 45 | 1667 | 1167 | 417 | 105 | 3 |
| CA55-B004#227TE035 | 4 | 3.6 | 220 | B | 88.0 | 8 | 35 | 1464 | 1025 | 366 | 105 | 3 |
| CA55-B004#227TE070 | 4 | 3.6 | 220 | B | 88.0 | 8 | 70 | 1035 | 725 | 259 | 105 | 3 |
| CA55-C004#227TE025 | 4 | 3.6 | 220 | C | 88.0 | 8 | 25 | 1897 | 1328 | 474 | 105 | 3 |
| CA55-C004#227TE055 | 4 | 3.6 | 220 | C | 88.0 | 8 | 55 | 1279 | 895 | 320 | 105 | 3 |
| CA55-D004#227TE025 | 4 | 3.6 | 220 | D | 88.0 | 10 | 25 | 2049 | 1435 | 512 | 105 | 3 |
| CA55-D004#227TE065 | 4 | 3.6 | 220 | D | 88.0 | 10 | 65 | 1271 | 890 | 318 | 105 | 3 |
| CA55-H004#227TE025 | 4 | 3.6 | 220 | H | 88.0 | 10 | 25 | 2236 | 1565 | 559 | 105 | 3 |
| CA55-H004#227TE045 | 4 | 3.6 | 220 | H | 88.0 | 10 | 45 | 1667 | 1167 | 417 | 105 | 3 |
| CA55-C004#337TE025 | 4 | 3.6 | 330 | C | 132.0 | 8 | 25 | 1897 | 1328 | 474 | 105 | 3 |
| CA55-C004#337TE045 | 4 | 3.6 | 330 | C | 132.0 | 8 | 45 | 1414 | 990 | 354 | 105 | 3 |
| CA55-D004#337TE025 | 4 | 3.6 | 330 | D | 132.0 | 10 | 25 | 2049 | 1435 | 512 | 105 | 3 |
| CA55-D004#337TE060 | 4 | 3.6 | 330 | D | 132.0 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-E004#337TE050 | 4 | 3.6 | 330 | E | 132.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-H004#337TE025 | 4 | 3.6 | 330 | H | 132.0 | 10 | 25 | 2236 | 1565 | 559 | 105 | 3 |
| CA55-H004#337TE050 | 4 | 3.6 | 330 | H | 132.0 | 6 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-D004#477TE025 | 4 | 3.6 | 470 | D | 188.0 | 10 | 25 | 2049 | 1435 | 512 | 105 | 3 |
| CA55-D004#477TE060 | 4 | 3.6 | 470 | D | 188.0 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-E004#477TE050 | 4 | 3.6 | 470 | E | 188.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-H004#477TE025 | 4 | 3.6 | 470 | H | 188.0 | 6 | 25 | 2236 | 1565 | 559 | 105 | 3 |
| CA55-H004#477TE050 | 4 | 3.6 | 470 | H | 188.0 | 6 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-D004#687TE025 | 4 | 3.6 | 680 | D | 272.0 | 10 | 25 | 2049 | 1435 | 512 | 105 | 3 |
| CA55-E004#687TE035 | 4 | 3.6 | 680 | E | 272.0 | 10 | 35 | 1890 | 1323 | 472 | 105 | 3 |
| CA55-E004#687TE050 | 4 | 3.6 | 680 | E | 272.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-V004#687TE040 | 4 | 3.6 | 680 | V | 272.0 | 10 | 40 | 1936 | 1356 | 484 | 105 | 3 |
| CA55-A6R3#106TE120 | 6.3 | 5.7 | 10 | A | 6.3 | 10 | 120 | 736 | 515 | 184 | 105 | 3 |
| CA55-A6R3#106TE250 | 6.3 | 5.7 | 10 | A | 6.3 | 10 | 250 | 510 | 357 | 127 | 105 | 3 |
| CA55-A6R3#106TE300 | 6.3 | 5.7 | 10 | A | 6.3 | 6 | 300 | 465 | 326 | 116 | 105 | 3 |
| CA55-A6R3#156TE300 | 6.3 | 5.7 | 15 | A | 9.5 | 6 | 300 | 465 | 326 | 116 | 105 | 3 |
| CA55-B6R3#156TE090 | 6.3 | 5.7 | 15 | B | 9.5 | 10 | 90 | 913 | 639 | 228 | 105 | 3 |
| CA55-A6R3#226TE090 | 6.3 | 5.7 | 22 | A | 13.9 | 8 | 90 | 850 | 595 | 212 | 105 | 3 |
| CA55-A6R3#226TE300 | 6.3 | 5.7 | 22 | A | 13.9 | 6 | 300 | 465 | 326 | 116 | 105 | 3 |
| CA55-B6R3#226TE090 | 6.3 | 5.7 | 22 | B | 13.9 | 10 | 90 | 913 | 639 | 228 | 105 | 3 |
| CA55-C6R3#226TE070 | 6.3 | 5.7 | 22 | C | 13.9 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-A6R3#336TE070 | 6.3 | 5.7 | 33 | A | 20.8 | 8 | 70 | 964 | 675 | 241 | 105 | 3 |
| CA55-A6R3#336TE120 | 6.3 | 5.7 | 33 | A | 20.8 | 8 | 120 | 736 | 515 | 184 | 105 | 3 |
| CA55-A6R3#336TE200 | 6.3 | 5.7 | 33 | A | 20.8 | 6 | 200 | 570 | 399 | 143 | 105 | 3 |
| CA55-B6R3#336TE040 | 6.3 | 5.7 | 33 | B | 20.8 | 8 | 40 | 1369 | 959 | 342 | 105 | 3 |
| CA55-B6R3#336TE090 | 6.3 | 5.7 | 33 | B | 20.8 | 10 | 90 | 913 | 639 | 228 | 105 | 3 |

- 1 Please do not use multimeter through the measuring procedures.
- 2 Capacitance and DF measured at :100Hz, U₋=2.2°-1.0V, U₋=1.0°-0.5V, Frequency=100Hz.Test only applied in series equivalent circuit.
- 3 Voltage derating is applied at +105C°. (The DCL parameter should be read after 5 minutes when it connected to the circuit) .
- 4 Special size and demand could consult with us.

RATING & PART NUMBER REFERENCE

| Part Number | Rated Voltage | Category Voltage | capacitance | Case Code | Max. DCL | Max. DF | Max. ESR | 100kHz RMS Current (mA) | | | Category Temperature | MSL |
|--------------------|---------------|------------------|-------------|-----------|----------|---------------|----------------|-------------------------|-------|--------|----------------------|-----|
| | V | V | | | @+25C° | @+25C° ,100Hz | @+25C° ,100KHz | +45C° | +85C° | +105C° | C° | |
| | | | μF | | μA | % | mΩ | | | | | |
| CA55-B6R3#336TE200 | 6.3 | 5.7 | 33 | B | 20.8 | 6 | 200 | 612 | 429 | 153 | 105 | 3 |
| CA55-C6R3#336TE070 | 6.3 | 5.7 | 33 | C | 20.8 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-C6R3#336TE100 | 6.3 | 5.7 | 33 | C | 20.8 | 8 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-A6R3#476TE150 | 6.3 | 5.7 | 47 | A | 29.6 | 8 | 150 | 658 | 461 | 165 | 105 | 3 |
| CA55-A6R3#476TE200 | 6.3 | 5.7 | 47 | A | 29.6 | 6 | 200 | 570 | 399 | 143 | 105 | 3 |
| CA55-B6R3#476TE040 | 6.3 | 5.7 | 47 | B | 29.6 | 8 | 40 | 1369 | 959 | 342 | 105 | 3 |
| CA55-B6R3#476TE090 | 6.3 | 5.7 | 47 | B | 29.6 | 10 | 90 | 913 | 639 | 228 | 105 | 3 |
| CA55-C6R3#476TE070 | 6.3 | 5.7 | 47 | C | 29.6 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-A6R3#686TE150 | 6.3 | 5.7 | 68 | A | 42.8 | 8 | 150 | 658 | 461 | 165 | 105 | 3 |
| CA55-B6R3#686TE035 | 6.3 | 5.7 | 68 | B | 42.8 | 8 | 35 | 1464 | 1025 | 366 | 105 | 3 |
| CA55-B6R3#686TE055 | 6.3 | 5.7 | 68 | B | 42.8 | 8 | 55 | 1168 | 817 | 292 | 105 | 3 |
| CA55-B6R3#686TE080 | 6.3 | 5.7 | 68 | B | 42.8 | 8 | 80 | 968 | 678 | 242 | 105 | 3 |
| CA55-C6R3#686TE070 | 6.3 | 5.7 | 68 | C | 42.8 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-C6R3#686TE100 | 6.3 | 5.7 | 68 | C | 42.8 | 8 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-D6R3#686TE060 | 6.3 | 5.7 | 68 | D | 42.8 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-A6R3#107TE070 | 6.3 | 5.7 | 100 | A | 63.0 | 8 | 70 | 964 | 675 | 241 | 105 | 3 |
| CA55-B6R3#107TE025 | 6.3 | 5.7 | 100 | B | 63.0 | 8 | 25 | 1732 | 1212 | 433 | 105 | 3 |
| CA55-B6R3#107TE045 | 6.3 | 5.7 | 100 | B | 63.0 | 8 | 45 | 1291 | 904 | 323 | 105 | 3 |
| CA55-B6R3#107TE070 | 6.3 | 5.7 | 100 | B | 63.0 | 8 | 70 | 1035 | 725 | 259 | 105 | 3 |
| CA55-C6R3#107TE025 | 6.3 | 5.7 | 100 | C | 63.0 | 8 | 25 | 1897 | 1328 | 474 | 105 | 3 |
| CA55-C6R3#107TE045 | 6.3 | 5.7 | 100 | C | 63.0 | 8 | 45 | 1414 | 990 | 354 | 105 | 3 |
| CA55-C6R3#107TE070 | 6.3 | 5.7 | 100 | C | 63.0 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-D6R3#107TE060 | 6.3 | 5.7 | 100 | D | 63.0 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-H6R3#107TE045 | 6.3 | 5.7 | 100 | H | 63.0 | 10 | 45 | 1667 | 1167 | 417 | 105 | 3 |
| CA55-B6R3#157TE025 | 6.3 | 5.7 | 150 | B | 94.5 | 8 | 25 | 1732 | 1212 | 433 | 105 | 3 |
| CA55-B6R3#157TE045 | 6.3 | 5.7 | 150 | B | 94.5 | 8 | 45 | 1291 | 904 | 323 | 105 | 3 |
| CA55-B6R3#157TE070 | 6.3 | 5.7 | 150 | B | 94.5 | 8 | 70 | 1035 | 725 | 259 | 105 | 3 |
| CA55-C6R3#157TE025 | 6.3 | 5.7 | 150 | C | 94.5 | 8 | 25 | 1897 | 1328 | 474 | 105 | 3 |
| CA55-C6R3#157TE055 | 6.3 | 5.7 | 150 | C | 94.5 | 8 | 55 | 1279 | 895 | 320 | 105 | 3 |
| CA55-D6R3#157TE025 | 6.3 | 5.7 | 150 | D | 94.5 | 10 | 25 | 2049 | 1435 | 512 | 105 | 3 |
| CA55-D6R3#157TE060 | 6.3 | 5.7 | 150 | D | 94.5 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-H6R3#157TE025 | 6.3 | 5.7 | 150 | H | 94.5 | 10 | 25 | 2236 | 1565 | 559 | 105 | 3 |
| CA55-H6R3#157TE045 | 6.3 | 5.7 | 150 | H | 94.5 | 10 | 45 | 1667 | 1167 | 417 | 105 | 3 |
| CA55-B6R3#227TE025 | 6.3 | 5.7 | 220 | B | 138.6 | 8 | 25 | 1732 | 1212 | 433 | 105 | 3 |
| CA55-B6R3#227TE070 | 6.3 | 5.7 | 220 | B | 138.6 | 8 | 70 | 1035 | 725 | 259 | 105 | 3 |
| CA55-B6R3#227TE200 | 6.3 | 5.7 | 220 | B | 138.6 | 10 | 200 | 612 | 429 | 153 | 105 | 3 |
| CA55-C6R3#227TE025 | 6.3 | 5.7 | 220 | C | 138.6 | 8 | 25 | 1897 | 1328 | 474 | 105 | 3 |
| CA55-C6R3#227TE045 | 6.3 | 5.7 | 220 | C | 138.6 | 8 | 45 | 1414 | 990 | 354 | 105 | 3 |
| CA55-D6R3#227TE040 | 6.3 | 5.7 | 220 | D | 138.6 | 10 | 40 | 1620 | 1134 | 405 | 105 | 3 |
| CA55-D6R3#227TE060 | 6.3 | 5.7 | 220 | D | 138.6 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-E6R3#227TE050 | 6.3 | 5.7 | 220 | E | 138.6 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-H6R3#227TE025 | 6.3 | 5.7 | 220 | H | 138.6 | 10 | 25 | 2236 | 1565 | 559 | 105 | 3 |
| CA55-H6R3#227TE050 | 6.3 | 5.7 | 220 | H | 138.6 | 6 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-D6R3#337TE025 | 6.3 | 5.7 | 330 | D | 207.9 | 10 | 25 | 2049 | 1435 | 512 | 105 | 3 |
| CA55-D6R3#337TE060 | 6.3 | 5.7 | 330 | D | 207.9 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-E6R3#337TE050 | 6.3 | 5.7 | 330 | E | 207.9 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-H6R3#337TE025 | 6.3 | 5.7 | 330 | H | 207.9 | 10 | 25 | 2236 | 1565 | 559 | 105 | 3 |
| CA55-H6R3#337TE050 | 6.3 | 5.7 | 330 | H | 207.9 | 12 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-D6R3#477TE030 | 6.3 | 5.7 | 470 | D | 296.1 | 10 | 30 | 1871 | 1310 | 468 | 105 | 3 |
| CA55-E6R3#477TE035 | 6.3 | 5.7 | 470 | E | 296.1 | 10 | 35 | 1890 | 1323 | 472 | 105 | 3 |
| CA55-E6R3#477TE050 | 6.3 | 5.7 | 470 | E | 296.1 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-H6R3#477TE035 | 6.3 | 5.7 | 470 | H | 296.1 | 10 | 35 | 1890 | 1323 | 472 | 105 | 3 |
| CA55-H6R3#477TE055 | 6.3 | 5.7 | 470 | H | 296.1 | 10 | 55 | 1508 | 1055 | 377 | 85 | 3 |
| CA55-V6R3#477TE040 | 6.3 | 5.7 | 470 | V | 296.1 | 10 | 40 | 1936 | 1356 | 484 | 105 | 3 |
| CA55-E6R3#687TE025 | 6.3 | 5.7 | 680 | E | 428.4 | 10 | 25 | 2236 | 1565 | 559 | 105 | 3 |

- 1 Please do not use multimeter through the measuring procedures.
- 2 Capacitance and DF measured at :100Hz, U_r=2.2°-1.0V, U₋=1.0°-0.5V, Frequency=100Hz.Test only applied in series equivalent circuit.
- 3 Voltage derating is applied at +105C°. (The DCL parameter should be read after 5 minutes when it connected to the circuit) .
- 4 Special size and demand could consult with us.

RATING & PART NUMBER REFERENCE

| Part Number | Rated Voltage | Category Voltage | capacitance | Case Code | Max. DCL @+25C° | Max. DF @+25C°,100Hz | Max. ESR @+25C°,100KHz | 100kHz RMS Current (mA) | | | Category Temperature C° | MSL |
|--------------------|---------------|------------------|-------------|-----------|--------------------|-------------------------|---------------------------|-------------------------|------|-----|----------------------------|-----|
| | V | V | | | | | | μF | μA | % | | |
| CA55-A010#475TE250 | 10 | 9.0 | 4.7 | A | 4.7 | 10 | 250 | 510 | 357 | 127 | 105 | 3 |
| CA55-A010#685TE180 | 10 | 9.0 | 6.8 | A | 6.8 | 10 | 180 | 601 | 421 | 150 | 105 | 3 |
| CA55-A010#685TE250 | 10 | 9.0 | 6.8 | A | 6.8 | 10 | 250 | 510 | 357 | 127 | 105 | 3 |
| CA55-A010#106TE080 | 10 | 9.0 | 10 | A | 10.0 | 8 | 80 | 901 | 631 | 225 | 105 | 3 |
| CA55-A010#106TE120 | 10 | 9.0 | 10 | A | 10.0 | 8 | 120 | 736 | 515 | 184 | 105 | 3 |
| CA55-A010#106TE300 | 10 | 9.0 | 10 | A | 10.0 | 10 | 300 | 465 | 326 | 116 | 105 | 3 |
| CA55-B010#106TE100 | 10 | 9.0 | 10 | B | 10.0 | 10 | 100 | 866 | 606 | 217 | 105 | 3 |
| CA55-A010#156TE080 | 10 | 9.0 | 15 | A | 15.0 | 8 | 80 | 901 | 631 | 225 | 105 | 3 |
| CA55-A010#156TE200 | 10 | 9.0 | 15 | A | 15.0 | 6 | 200 | 570 | 399 | 143 | 105 | 3 |
| CA55-B010#156TE090 | 10 | 9.0 | 15 | B | 15.0 | 10 | 90 | 913 | 639 | 228 | 105 | 3 |
| CA55-C010#156TE070 | 10 | 9.0 | 15 | C | 15.0 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-A010#226TE080 | 10 | 9.0 | 22 | A | 22.0 | 8 | 80 | 901 | 631 | 225 | 105 | 3 |
| CA55-B010#226TE090 | 10 | 9.0 | 22 | B | 22.0 | 10 | 90 | 913 | 639 | 228 | 105 | 3 |
| CA55-B010#226TE300 | 10 | 9.0 | 22 | B | 22.0 | 6 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C010#226TE070 | 10 | 9.0 | 22 | C | 22.0 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-B010#336TE040 | 10 | 9.0 | 33 | B | 33.0 | 8 | 40 | 1369 | 959 | 342 | 105 | 3 |
| CA55-B010#336TE090 | 10 | 9.0 | 33 | B | 33.0 | 10 | 90 | 913 | 639 | 228 | 105 | 3 |
| CA55-B010#336TE200 | 10 | 9.0 | 33 | B | 33.0 | 6 | 200 | 612 | 429 | 153 | 105 | 3 |
| CA55-C010#336TE070 | 10 | 9.0 | 33 | C | 33.0 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-C010#336TE100 | 10 | 9.0 | 33 | C | 33.0 | 6 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-B010#476TE035 | 10 | 9.0 | 47 | B | 47.0 | 8 | 35 | 1464 | 1025 | 366 | 105 | 3 |
| CA55-B010#476TE070 | 10 | 9.0 | 47 | B | 47.0 | 8 | 70 | 1035 | 725 | 259 | 105 | 3 |
| CA55-B010#476TE090 | 10 | 9.0 | 47 | B | 47.0 | 10 | 90 | 913 | 639 | 228 | 105 | 3 |
| CA55-C010#476TE070 | 10 | 9.0 | 47 | C | 47.0 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-C010#476TE100 | 10 | 9.0 | 47 | C | 47.0 | 8 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-C010#686TE045 | 10 | 9.0 | 68 | C | 68.0 | 8 | 45 | 1414 | 990 | 354 | 105 | 3 |
| CA55-C010#686TE070 | 10 | 9.0 | 68 | C | 68.0 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-D010#686TE045 | 10 | 9.0 | 68 | D | 68.0 | 6 | 45 | 1528 | 1069 | 382 | 105 | 3 |
| CA55-D010#686TE060 | 10 | 9.0 | 68 | D | 68.0 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-D010#686TE100 | 10 | 9.0 | 68 | D | 68.0 | 10 | 100 | 1025 | 717 | 256 | 105 | 3 |
| CA55-H010#686TE045 | 10 | 9.0 | 68 | H | 68.0 | 10 | 45 | 1667 | 1167 | 417 | 105 | 3 |
| CA55-H010#686TE060 | 10 | 9.0 | 68 | H | 68.0 | 10 | 60 | 1443 | 1010 | 361 | 105 | 3 |
| CA55-H010#686TE100 | 10 | 9.0 | 68 | H | 68.0 | 10 | 100 | 1118 | 783 | 280 | 105 | 3 |
| CA55-C010#107TE025 | 10 | 9.0 | 100 | C | 100.0 | 8 | 25 | 1897 | 1328 | 474 | 105 | 3 |
| CA55-C010#107TE045 | 10 | 9.0 | 100 | C | 100.0 | 8 | 45 | 1414 | 990 | 354 | 105 | 3 |
| CA55-C010#107TE070 | 10 | 9.0 | 100 | C | 100.0 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-D010#107TE045 | 10 | 9.0 | 100 | D | 100.0 | 6 | 45 | 1528 | 1069 | 382 | 105 | 3 |
| CA55-D010#107TE060 | 10 | 9.0 | 100 | D | 100.0 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-D010#107TE080 | 10 | 9.0 | 100 | D | 100.0 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-H010#107TE025 | 10 | 9.0 | 100 | H | 100.0 | 10 | 25 | 2236 | 1565 | 559 | 105 | 3 |
| CA55-H010#107TE055 | 10 | 9.0 | 100 | H | 100.0 | 10 | 55 | 1508 | 1055 | 377 | 105 | 3 |
| CA55-C010#157TE055 | 10 | 9.0 | 150 | C | 150.0 | 8 | 55 | 1279 | 895 | 320 | 105 | 3 |
| CA55-D010#157TE025 | 10 | 9.0 | 150 | D | 150.0 | 10 | 25 | 2049 | 1435 | 512 | 105 | 3 |
| CA55-D010#157TE040 | 10 | 9.0 | 150 | D | 150.0 | 10 | 40 | 1620 | 1134 | 405 | 105 | 3 |
| CA55-D010#157TE060 | 10 | 9.0 | 150 | D | 150.0 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-E010#157TE050 | 10 | 9.0 | 150 | E | 150.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-H010#157TE025 | 10 | 9.0 | 150 | H | 150.0 | 10 | 25 | 2236 | 1565 | 559 | 105 | 3 |
| CA55-H010#157TE055 | 10 | 9.0 | 150 | H | 150.0 | 6 | 55 | 1508 | 1055 | 377 | 105 | 3 |
| CA55-D010#227TE025 | 10 | 9.0 | 220 | D | 220.0 | 10 | 25 | 2049 | 1435 | 512 | 105 | 3 |
| CA55-D010#227TE060 | 10 | 9.0 | 220 | D | 220.0 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-E010#227TE050 | 10 | 9.0 | 220 | E | 220.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-H010#227TE025 | 10 | 9.0 | 220 | H | 220.0 | 10 | 25 | 2236 | 1565 | 559 | 105 | 3 |
| CA55-H010#227TE050 | 10 | 9.0 | 220 | H | 220.0 | 6 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E010#337TE025 | 10 | 9.0 | 330 | E | 330.0 | 10 | 35 | 1890 | 1323 | 472 | 105 | 3 |
| CA55-E010#337TE050 | 10 | 9.0 | 330 | E | 330.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |

- 1 Please do not use multimeter through the measuring procedures.
- 2 Capacitance and DF measured at :100Hz, U_r=2.2°-1.0V, U_~=1.0°-0.5V, Frequency=100Hz.Test only applied in series equivalent circuit.
- 3 Voltage derating is applied at +105C°. (The DCL parameter should be read after 5 minutes when it connected to the circuit) .
- 4 Special size and demand could consult with us.

RATING & PART NUMBER REFERENCE

| Part Number | Rated Voltage | Category Voltage | capacitance | Case Code | Max. DCL @+25C° | Max. DF @+25C°.100Hz | Max. ESR @+25C°.100KHz | 100kHz RMS Current (mA) | | | Category Temperature | MSL |
|--------------------|---------------|------------------|-------------|-----------|-----------------|----------------------|------------------------|-------------------------|------|-----|----------------------|-----|
| | V | V | | | | | | μF | μA | % | | |
| CA55-V010#337TE040 | 10 | 9.0 | 330 | V | 330.0 | 10 | 40 | 1936 | 1356 | 484 | 105 | 3 |
| CA55-B016#105TE300 | 16 | 12.8 | 1 | B | 1.6 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-B016#155TE300 | 16 | 12.8 | 1.5 | B | 2.4 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-B016#225TE300 | 16 | 12.8 | 2.2 | B | 3.5 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-A016#335TE250 | 16 | 12.8 | 3.3 | A | 5.3 | 10 | 250 | 510 | 357 | 127 | 105 | 3 |
| CA55-B016#335TE150 | 16 | 12.8 | 3.3 | B | 5.3 | 10 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-B016#335TE300 | 16 | 12.8 | 3.3 | B | 5.3 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-A016#475TE250 | 16 | 12.8 | 4.7 | A | 7.5 | 10 | 250 | 510 | 357 | 127 | 105 | 3 |
| CA55-B016#475TE100 | 16 | 12.8 | 4.7 | B | 7.5 | 10 | 100 | 866 | 606 | 217 | 105 | 3 |
| CA55-B016#475TE150 | 16 | 12.8 | 4.7 | B | 7.5 | 10 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-B016#475TE300 | 16 | 12.8 | 4.7 | B | 7.5 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C016#475TE150 | 16 | 12.8 | 4.7 | C | 7.5 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-A016#685TE200 | 16 | 12.8 | 6.8 | A | 10.9 | 6 | 200 | 570 | 399 | 143 | 105 | 3 |
| CA55-B016#685TE100 | 16 | 12.8 | 6.8 | B | 10.9 | 10 | 100 | 866 | 606 | 217 | 105 | 3 |
| CA55-B016#685TE150 | 16 | 12.8 | 6.8 | B | 10.9 | 10 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-B016#685TE300 | 16 | 12.8 | 6.8 | B | 10.9 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C016#685TE150 | 16 | 12.8 | 6.8 | C | 10.9 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-A016#106TE200 | 16 | 12.8 | 10 | A | 16.0 | 6 | 200 | 570 | 399 | 143 | 105 | 3 |
| CA55-B016#106TE100 | 16 | 12.8 | 10 | B | 16.0 | 10 | 100 | 866 | 606 | 217 | 105 | 3 |
| CA55-B016#106TE200 | 16 | 12.8 | 10 | B | 16.0 | 6 | 200 | 612 | 429 | 153 | 105 | 3 |
| CA55-B016#106TE300 | 16 | 12.8 | 10 | B | 16.0 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C016#106TE150 | 16 | 12.8 | 10 | C | 16.0 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-B016#156TE100 | 16 | 12.8 | 15 | B | 24.0 | 10 | 100 | 866 | 606 | 217 | 105 | 3 |
| CA55-B016#156TE150 | 16 | 12.8 | 15 | B | 24.0 | 6 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-B016#156TE300 | 16 | 12.8 | 15 | B | 24.0 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C016#156TE070 | 16 | 12.8 | 15 | C | 24.0 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-C016#156TE150 | 16 | 12.8 | 15 | C | 24.0 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-D016#156TE080 | 16 | 12.8 | 15 | D | 24.0 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-B016#226TE150 | 16 | 12.8 | 22 | B | 35.2 | 6 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-C016#226TE070 | 16 | 12.8 | 22 | C | 35.2 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-C016#226TE150 | 16 | 12.8 | 22 | C | 35.2 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-D016#226TE060 | 16 | 12.8 | 22 | D | 35.2 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-D016#226TE080 | 16 | 12.8 | 22 | D | 35.2 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-E016#226TE080 | 16 | 12.8 | 22 | E | 35.2 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-C016#336TE070 | 16 | 12.8 | 33 | C | 52.8 | 10 | 70 | 1134 | 794 | 283 | 105 | 3 |
| CA55-C016#336TE150 | 16 | 12.8 | 33 | C | 52.8 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-D016#336TE060 | 16 | 12.8 | 33 | D | 52.8 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-D016#336TE080 | 16 | 12.8 | 33 | D | 52.8 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-E016#336TE080 | 16 | 12.8 | 33 | E | 52.8 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-H016#336TE045 | 16 | 12.8 | 33 | H | 52.8 | 10 | 45 | 1667 | 1167 | 417 | 105 | 3 |
| CA55-H016#336TE070 | 16 | 12.8 | 33 | H | 52.8 | 10 | 70 | 1336 | 935 | 334 | 105 | 3 |
| CA55-C016#476TE150 | 16 | 12.8 | 47 | C | 75.2 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-D016#476TE035 | 16 | 12.8 | 47 | D | 75.2 | 10 | 35 | 1732 | 1212 | 433 | 105 | 3 |
| CA55-D016#476TE070 | 16 | 12.8 | 47 | D | 75.2 | 10 | 70 | 1225 | 857 | 306 | 105 | 3 |
| CA55-D016#476TE090 | 16 | 12.8 | 47 | D | 75.2 | 10 | 90 | 1080 | 756 | 270 | 105 | 3 |
| CA55-E016#476TE050 | 16 | 12.8 | 47 | E | 75.2 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E016#476TE080 | 16 | 12.8 | 47 | E | 75.2 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-H016#476TE045 | 16 | 12.8 | 47 | H | 75.2 | 10 | 45 | 1667 | 1167 | 417 | 105 | 3 |
| CA55-H016#476TE080 | 16 | 12.8 | 47 | H | 75.2 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-D016#686TE050 | 16 | 12.8 | 68 | D | 108.8 | 10 | 50 | 1449 | 1014 | 362 | 105 | 3 |
| CA55-D016#686TE080 | 16 | 12.8 | 68 | D | 108.8 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-E016#686TE050 | 16 | 12.8 | 68 | E | 108.8 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E016#686TE080 | 16 | 12.8 | 68 | E | 108.8 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-H016#686TE050 | 16 | 12.8 | 68 | H | 108.8 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-H016#686TE090 | 16 | 12.8 | 68 | H | 108.8 | 10 | 90 | 1179 | 825 | 295 | 105 | 3 |

- 1 Please do not use multimeter through the measuring procedures.
- 2 Capacitance and DF measured at :100Hz, U₊=2.2°-1.0V, U₋=1.0°-0.5V, Frequency=100Hz.Test only applied in series equivalent circuit.
- 3 Voltage derating is applied at +105C°. (The DCL parameter should be read after 5 minutes when it connected to the circuit) .
- 4 Special size and demand could consult with us.

RATING & PART NUMBER REFERENCE

| Part Number | Rated Voltage | Category Voltage | capacitance | Case Code | Max. DCL | Max. DF | Max. ESR | 100kHz RMS Current (mA) | | | Category Temperature | MSL |
|--------------------|---------------|------------------|-------------|-----------|----------|--------------|---------------|-------------------------|-------|--------|----------------------|-----|
| | V | V | | | @+25C° | @+25C° 100Hz | @+25C° 100KHz | +45C° | +85C° | +105C° | C° | |
| | | | μF | | μA | % | mΩ | | | | | |
| CA55-D016#107TE060 | 16 | 12.8 | 100 | D | 160.0 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-D016#107TE080 | 16 | 12.8 | 100 | D | 160.0 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-E016#107TE040 | 16 | 12.8 | 100 | E | 160.0 | 6 | 40 | 1768 | 1237 | 442 | 105 | 3 |
| CA55-E016#107TE080 | 16 | 12.8 | 100 | E | 160.0 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-H016#107TE050 | 16 | 12.8 | 100 | H | 160.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E016#157TE040 | 16 | 12.8 | 150 | E | 240.0 | 10 | 40 | 1768 | 1237 | 442 | 105 | 3 |
| CA55-E016#157TE080 | 16 | 12.8 | 150 | E | 240.0 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-V016#157TE080 | 16 | 12.8 | 150 | V | 240.0 | 10 | 80 | 1369 | 959 | 342 | 105 | 3 |
| CA55-W016#157TE080 | 16 | 12.8 | 150 | W | 240.0 | 10 | 80 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E016#227TE035 | 16 | 12.8 | 220 | E | 352.0 | 10 | 35 | 1890 | 1323 | 472 | 105 | 3 |
| CA55-E016#227TE050 | 16 | 12.8 | 220 | E | 352.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E016#227TE080 | 16 | 12.8 | 220 | E | 352.0 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-V016#227TE040 | 16 | 12.8 | 220 | V | 352.0 | 10 | 40 | 1936 | 1356 | 484 | 105 | 3 |
| CA55-V016#227TE080 | 16 | 12.8 | 220 | V | 352.0 | 10 | 80 | 1369 | 959 | 342 | 105 | 3 |
| CA55-W016#227TE080 | 16 | 12.8 | 220 | W | 352.0 | 10 | 80 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E016#337TE025 | 16 | 12.8 | 330 | E | 528.0 | 10 | 25 | 2236 | 1565 | 559 | 105 | 3 |
| CA55-E016#337TE050 | 16 | 12.8 | 330 | E | 528.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E016#337TE080 | 16 | 12.8 | 330 | E | 528.0 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-V016#337TE040 | 16 | 12.8 | 330 | V | 528.0 | 10 | 40 | 1936 | 1356 | 484 | 105 | 3 |
| CA55-V016#337TE080 | 16 | 12.8 | 330 | V | 528.0 | 10 | 80 | 1369 | 959 | 342 | 105 | 3 |
| CA55-W016#337TE080 | 16 | 12.8 | 330 | W | 528.0 | 10 | 80 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-B020#105TE300 | 20 | 16.0 | 1 | B | 2.0 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-B020#155TE300 | 20 | 16.0 | 1.5 | B | 3.0 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-A020#225TE250 | 20 | 16.0 | 2.2 | A | 4.4 | 10 | 250 | 510 | 357 | 127 | 105 | 3 |
| CA55-B020#225TE150 | 20 | 16.0 | 2.2 | B | 4.4 | 10 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-B020#225TE300 | 20 | 16.0 | 2.2 | B | 4.4 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-A020#335TE250 | 20 | 16.0 | 3.3 | A | 6.6 | 10 | 250 | 510 | 357 | 127 | 105 | 3 |
| CA55-B020#335TE150 | 20 | 16.0 | 3.3 | B | 6.6 | 10 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-B020#335TE300 | 20 | 16.0 | 3.3 | B | 6.6 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C020#335TE150 | 20 | 16.0 | 3.3 | C | 6.6 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-B020#475TE150 | 20 | 16.0 | 4.7 | B | 9.4 | 10 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-B020#475TE300 | 20 | 16.0 | 4.7 | B | 9.4 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C020#475TE100 | 20 | 16.0 | 4.7 | C | 9.4 | 10 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-C020#475TE150 | 20 | 16.0 | 4.7 | C | 9.4 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-B020#685TE150 | 20 | 16.0 | 6.8 | B | 13.6 | 10 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-B020#685TE300 | 20 | 16.0 | 6.8 | B | 13.6 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C020#685TE100 | 20 | 16.0 | 6.8 | C | 13.6 | 10 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-C020#685TE150 | 20 | 16.0 | 6.8 | C | 13.6 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-B020#106TE100 | 20 | 16.0 | 10 | B | 20.0 | 8 | 100 | 866 | 606 | 217 | 105 | 3 |
| CA55-B020#106TE150 | 20 | 16.0 | 10 | B | 20.0 | 10 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-B020#106TE300 | 20 | 16.0 | 10 | B | 20.0 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C020#106TE100 | 20 | 16.0 | 10 | C | 20.0 | 10 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-C020#106TE150 | 20 | 16.0 | 10 | C | 20.0 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-B020#156TE090 | 20 | 16.0 | 15 | B | 30.0 | 10 | 90 | 913 | 639 | 228 | 105 | 3 |
| CA55-C020#156TE080 | 20 | 16.0 | 15 | C | 30.0 | 10 | 80 | 1061 | 742 | 265 | 105 | 3 |
| CA55-C020#156TE150 | 20 | 16.0 | 15 | C | 30.0 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-D020#156TE070 | 20 | 16.0 | 15 | D | 30.0 | 10 | 70 | 1225 | 857 | 306 | 105 | 3 |
| CA55-D020#156TE080 | 20 | 16.0 | 15 | D | 30.0 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-C020#226TE100 | 20 | 16.0 | 22 | C | 44.0 | 10 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-C020#226TE150 | 20 | 16.0 | 22 | C | 44.0 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-D020#226TE060 | 20 | 16.0 | 22 | D | 44.0 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-D020#226TE080 | 20 | 16.0 | 22 | D | 44.0 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-E020#226TE050 | 20 | 16.0 | 22 | E | 44.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E020#226TE080 | 20 | 16.0 | 22 | E | 44.0 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-H020#226TE045 | 20 | 16.0 | 22 | H | 44.0 | 10 | 45 | 1667 | 1167 | 417 | 105 | 3 |

- 1 Please do not use multimeter through the measuring procedures.
- 2 Capacitance and DF measured at :100Hz, U₊=2.2^o-1.0V, U₋=1.0^o-0.5V, Frequency=100Hz.Test only applied in series equivalent circuit.
- 3 Voltage derating is applied at +105C°. (The DCL parameter should be read after 5 minutes when it connected to the circuit) .
- 4 Special size and demand could consult with us.

RATING & PART NUMBER REFERENCE

| Part Number | Rated Voltage | Category Voltage | capacitance | Case Code | Max. DCL @+25C° | Max. DF @+25C° ,100Hz | Max. ESR @+25C° ,100KHz | 100kHz RMS Current (mA) | | | Category Temperature C° | MSL |
|--------------------|---------------|------------------|-------------|-----------|-----------------|-----------------------|-------------------------|-------------------------|------|-----|-------------------------|-----|
| | V | V | | | | | | μF | μA | % | | |
| CA55-H020#226TE070 | 20 | 16.0 | 22 | H | 44.0 | 6 | 70 | 1336 | 935 | 334 | 105 | 3 |
| CA55-H020#226TE090 | 20 | 16.0 | 22 | H | 44.0 | 10 | 90 | 1179 | 825 | 295 | 105 | 3 |
| CA55-C020#336TE150 | 20 | 16.0 | 33 | C | 66.0 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-D020#336TE060 | 20 | 16.0 | 33 | D | 66.0 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-D020#336TE080 | 20 | 16.0 | 33 | D | 66.0 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-E020#336TE050 | 20 | 16.0 | 33 | E | 66.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E020#336TE080 | 20 | 16.0 | 33 | E | 66.0 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-H020#336TE070 | 20 | 16.0 | 33 | H | 66.0 | 6 | 70 | 1336 | 935 | 334 | 105 | 3 |
| CA55-C020#476TE150 | 20 | 16.0 | 47 | C | 94.0 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-D020#476TE055 | 20 | 16.0 | 47 | D | 94.0 | 10 | 55 | 1382 | 967 | 345 | 105 | 3 |
| CA55-D020#476TE080 | 20 | 16.0 | 47 | D | 94.0 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-E020#476TE050 | 20 | 16.0 | 47 | E | 94.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E020#476TE080 | 20 | 16.0 | 47 | E | 94.0 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-H020#476TE055 | 20 | 16.0 | 47 | H | 94.0 | 10 | 55 | 1508 | 1055 | 377 | 105 | 3 |
| CA55-H020#476TE070 | 20 | 16.0 | 47 | H | 94.0 | 6 | 70 | 1336 | 935 | 334 | 105 | 3 |
| CA55-H020#476TE090 | 20 | 16.0 | 47 | H | 94.0 | 10 | 90 | 1179 | 825 | 295 | 105 | 3 |
| CA55-D020#686TE055 | 20 | 16.0 | 68 | D | 136.0 | 6 | 55 | 1382 | 967 | 345 | 105 | 3 |
| CA55-D020#686TE080 | 20 | 16.0 | 68 | D | 136.0 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-E020#686TE045 | 20 | 16.0 | 68 | E | 136.0 | 6 | 45 | 1667 | 1167 | 417 | 105 | 3 |
| CA55-E020#686TE080 | 20 | 16.0 | 68 | E | 136.0 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-D020#107TE055 | 20 | 16.0 | 100 | D | 200.0 | 10 | 55 | 1382 | 967 | 345 | 105 | 3 |
| CA55-E020#107TE045 | 20 | 16.0 | 100 | E | 200.0 | 6 | 45 | 1667 | 1167 | 417 | 105 | 3 |
| CA55-E020#107TE080 | 20 | 16.0 | 100 | E | 200.0 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-V020#107TE080 | 20 | 16.0 | 100 | V | 200.0 | 10 | 80 | 1369 | 959 | 342 | 105 | 3 |
| CA55-E020#157TE080 | 20 | 16.0 | 150 | E | 300.0 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-V020#157TE080 | 20 | 16.0 | 150 | V | 300.0 | 10 | 80 | 1369 | 959 | 342 | 105 | 3 |
| CA55-W020#157TE080 | 20 | 16.0 | 150 | W | 300.0 | 10 | 80 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E020#227TE080 | 20 | 16.0 | 220 | E | 440.0 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-V020#227TE080 | 20 | 16.0 | 220 | V | 440.0 | 10 | 80 | 1369 | 959 | 342 | 105 | 3 |
| CA55-W020#227TE080 | 20 | 16.0 | 220 | W | 440.0 | 10 | 80 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-B025#684TE300 | 25 | 20.0 | 0.68 | B | 1.7 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-B025#105TE300 | 25 | 20.0 | 1 | B | 2.5 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-B025#155TE300 | 25 | 20.0 | 1.5 | B | 3.8 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C025#155TE150 | 25 | 20.0 | 1.5 | C | 3.8 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-B025#225TE250 | 25 | 20.0 | 2.2 | B | 5.5 | 10 | 250 | 548 | 383 | 137 | 105 | 3 |
| CA55-B025#225TE300 | 25 | 20.0 | 2.2 | B | 5.5 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C025#225TE100 | 25 | 20.0 | 2.2 | C | 5.5 | 10 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-C025#225TE150 | 25 | 20.0 | 2.2 | C | 5.5 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-B025#335TE250 | 25 | 20.0 | 3.3 | B | 8.3 | 10 | 250 | 548 | 383 | 137 | 105 | 3 |
| CA55-B025#335TE300 | 25 | 20.0 | 3.3 | B | 8.3 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C025#335TE100 | 25 | 20.0 | 3.3 | C | 8.3 | 10 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-C025#335TE150 | 25 | 20.0 | 3.3 | C | 8.3 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-B025#475TE150 | 25 | 20.0 | 4.7 | B | 11.8 | 6 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-B025#475TE250 | 25 | 20.0 | 4.7 | B | 11.8 | 10 | 250 | 548 | 383 | 137 | 105 | 3 |
| CA55-B025#475TE300 | 25 | 20.0 | 4.7 | B | 11.8 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C025#475TE100 | 25 | 20.0 | 4.7 | C | 11.8 | 10 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-C025#475TE150 | 25 | 20.0 | 4.7 | C | 11.8 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-B025#685TE090 | 25 | 20.0 | 6.8 | B | 17.0 | 6 | 90 | 913 | 639 | 228 | 105 | 3 |
| CA55-B025#685TE150 | 25 | 20.0 | 6.8 | B | 17.0 | 6 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-B025#685TE300 | 25 | 20.0 | 6.8 | B | 17.0 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C025#685TE100 | 25 | 20.0 | 6.8 | C | 17.0 | 10 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-C025#685TE150 | 25 | 20.0 | 6.8 | C | 17.0 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-B025#106TE100 | 25 | 20.0 | 10 | B | 25.0 | 8 | 100 | 866 | 606 | 217 | 105 | 3 |
| CA55-B025#106TE150 | 25 | 20.0 | 10 | B | 25.0 | 6 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-B025#106TE300 | 25 | 20.0 | 10 | B | 25.0 | 10 | 300 | 500 | 350 | 125 | 105 | 3 |

- 1 Please do not use multimeter through the measuring procedures.
- 2 Capacitance and DF measured at :100Hz, U_~=2.2°-1.0V, U₋=1.0°-0.5V, Frequency=100Hz.Test only applied in series equivalent circuit.
- 3 Voltage derating is applied at +105C°. (The DCL parameter should be read after 5 minutes when it connected to the circuit) .
- 4 Special size and demand could consult with us.

RATING & PART NUMBER REFERENCE

| Part Number | Rated Voltage | Category Voltage | capacitance | Case Code | Max. DCL | Max. DF | Max. ESR | 100kHz RMS Current (mA) | | | Category Temperature | MSL |
|--------------------|---------------|------------------|-------------|-----------|----------|---------------|----------------|-------------------------|-------|--------|----------------------|-----|
| | V | V | | | @+25C° | @+25C° ,100Hz | @+25C° ,100KHz | +45C° | +85C° | +105C° | C° | |
| | | | μF | | μA | % | mΩ | | | | | |
| CA55-C025#106TE100 | 25 | 20.0 | 10 | C | 25.0 | 10 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-C025#106TE150 | 25 | 20.0 | 10 | C | 25.0 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-D025#106TE090 | 25 | 20.0 | 10 | D | 25.0 | 10 | 90 | 1080 | 756 | 270 | 105 | 3 |
| CA55-B025#156TE100 | 25 | 20.0 | 15 | B | 37.5 | 6 | 100 | 866 | 606 | 217 | 105 | 3 |
| CA55-B025#156TE150 | 25 | 20.0 | 15 | B | 37.5 | 6 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-C025#156TE150 | 25 | 20.0 | 15 | C | 37.5 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-D025#156TE090 | 25 | 20.0 | 15 | D | 37.5 | 10 | 90 | 1080 | 756 | 270 | 105 | 3 |
| CA55-E025#156TE080 | 25 | 20.0 | 15 | E | 37.5 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-H025#156TE090 | 25 | 20.0 | 15 | H | 37.5 | 10 | 90 | 1179 | 825 | 295 | 105 | 3 |
| CA55-B025#226TE150 | 25 | 20.0 | 22 | B | 55.0 | 6 | 150 | 707 | 495 | 177 | 105 | 3 |
| CA55-C025#226TE100 | 25 | 20.0 | 22 | C | 55.0 | 6 | 100 | 949 | 664 | 237 | 105 | 3 |
| CA55-C025#226TE150 | 25 | 20.0 | 22 | C | 55.0 | 10 | 150 | 775 | 542 | 194 | 105 | 3 |
| CA55-D025#226TE060 | 25 | 20.0 | 22 | D | 55.0 | 6 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-D025#226TE080 | 25 | 20.0 | 22 | D | 55.0 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-D025#226TE100 | 25 | 20.0 | 22 | D | 55.0 | 6 | 100 | 1025 | 717 | 256 | 105 | 3 |
| CA55-E025#226TE080 | 25 | 20.0 | 22 | E | 55.0 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-H025#226TE060 | 25 | 20.0 | 22 | H | 55.0 | 10 | 60 | 1443 | 1010 | 361 | 105 | 3 |
| CA55-H025#226TE090 | 25 | 20.0 | 22 | H | 55.0 | 10 | 90 | 1179 | 825 | 295 | 105 | 3 |
| CA55-D025#336TE060 | 25 | 20.0 | 33 | D | 82.5 | 10 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-D025#336TE080 | 25 | 20.0 | 33 | D | 82.5 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-D025#336TE100 | 25 | 20.0 | 33 | D | 82.5 | 6 | 100 | 1025 | 717 | 256 | 105 | 3 |
| CA55-E025#336TE080 | 25 | 20.0 | 33 | E | 82.5 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-H025#336TE060 | 25 | 20.0 | 33 | H | 82.5 | 10 | 60 | 1443 | 1010 | 361 | 105 | 3 |
| CA55-H025#336TE100 | 25 | 20.0 | 33 | H | 82.5 | 6 | 100 | 1118 | 783 | 280 | 105 | 3 |
| CA55-D025#476TE060 | 25 | 20.0 | 47 | D | 117.5 | 6 | 60 | 1323 | 926 | 331 | 105 | 3 |
| CA55-D025#476TE080 | 25 | 20.0 | 47 | D | 117.5 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-D025#476TE100 | 25 | 20.0 | 47 | D | 117.5 | 6 | 100 | 1025 | 717 | 256 | 105 | 3 |
| CA55-E025#476TE050 | 25 | 20.0 | 47 | E | 117.5 | 6 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E025#476TE080 | 25 | 20.0 | 47 | E | 117.5 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-D025#686TE080 | 25 | 20.0 | 68 | D | 170.0 | 10 | 80 | 1146 | 802 | 286 | 105 | 3 |
| CA55-E025#686TE050 | 25 | 20.0 | 68 | E | 170.0 | 6 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E025#686TE080 | 25 | 20.0 | 68 | E | 170.0 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-V025#686TE080 | 25 | 20.0 | 68 | V | 170.0 | 10 | 80 | 1369 | 959 | 342 | 105 | 3 |
| CA55-E025#107TE060 | 25 | 20.0 | 100 | E | 250.0 | 10 | 60 | 1443 | 1010 | 361 | 105 | 3 |
| CA55-E025#107TE080 | 25 | 20.0 | 100 | E | 250.0 | 10 | 80 | 1250 | 875 | 313 | 105 | 3 |
| CA55-V025#107TE080 | 25 | 20.0 | 100 | V | 250.0 | 10 | 80 | 1369 | 959 | 342 | 105 | 3 |
| CA55-W025#107TE080 | 25 | 20.0 | 100 | W | 250.0 | 10 | 80 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-V025#157TE080 | 25 | 20.0 | 150 | V | 375.0 | 10 | 80 | 1369 | 959 | 342 | 105 | 3 |
| CA55-W025#157TE080 | 25 | 20.0 | 150 | W | 375.0 | 10 | 80 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-B035#684TE350 | 35 | 28.0 | 0.68 | B | 2.4 | 10 | 350 | 463 | 324 | 116 | 105 | 3 |
| CA55-B035#105TE350 | 35 | 28.0 | 1 | B | 3.5 | 10 | 350 | 463 | 324 | 116 | 105 | 3 |
| CA55-B035#155TE200 | 35 | 28.0 | 1.5 | B | 5.3 | 6 | 200 | 612 | 429 | 153 | 105 | 3 |
| CA55-B035#155TE350 | 35 | 28.0 | 1.5 | B | 5.3 | 10 | 350 | 463 | 324 | 116 | 105 | 3 |
| CA55-C035#155TE200 | 35 | 28.0 | 1.5 | C | 5.3 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-B035#225TE200 | 35 | 28.0 | 2.2 | B | 7.7 | 6 | 200 | 612 | 429 | 153 | 105 | 3 |
| CA55-B035#225TE350 | 35 | 28.0 | 2.2 | B | 7.7 | 10 | 350 | 463 | 324 | 116 | 105 | 3 |
| CA55-C035#225TE200 | 35 | 28.0 | 2.2 | C | 7.7 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-B035#335TE200 | 35 | 28.0 | 3.3 | B | 11.6 | 6 | 200 | 612 | 429 | 153 | 105 | 3 |
| CA55-B035#335TE350 | 35 | 28.0 | 3.3 | B | 11.6 | 10 | 350 | 463 | 324 | 116 | 105 | 3 |
| CA55-C035#335TE200 | 35 | 28.0 | 3.3 | C | 11.6 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-B035#475TE200 | 35 | 28.0 | 4.7 | B | 16.5 | 6 | 200 | 612 | 429 | 153 | 105 | 3 |
| CA55-B035#475TE350 | 35 | 28.0 | 4.7 | B | 16.5 | 10 | 350 | 463 | 324 | 116 | 105 | 3 |
| CA55-C035#475TE200 | 35 | 28.0 | 4.7 | C | 16.5 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-C035#685TE200 | 35 | 28.0 | 6.8 | C | 23.8 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-D035#685TE090 | 35 | 28.0 | 6.8 | D | 23.8 | 10 | 90 | 1080 | 756 | 270 | 105 | 3 |

- 1 Please do not use multimeter through the measuring procedures.
- 2 Capacitance and DF measured at :100Hz, U_r=2.2~-1.0V, U_w=1.0~-0.5V, Frequency=100Hz.Test only applied in series equivalent circuit.
- 3 Voltage derating is applied at +105C°. (The DCL parameter should be read after 5 minutes when it connected to the circuit) .
- 4 Special size and demand could consult with us.

RATING & PART NUMBER REFERENCE

| Part Number | Rated Voltage | Category Voltage | capacitance | Case Code | Max. DCL | Max. DF | Max. ESR | 100kHz RMS Current (mA) | | | Category Temperature | MSL |
|--------------------|---------------|------------------|-------------|-----------|----------|--------------|---------------|-------------------------|-------|--------|----------------------|-----|
| | V | V | | | @+25C° | @+25C°,100Hz | @+25C°,100KHz | +45C° | +85C° | +105C° | C° | |
| | | | μF | | μA | % | mΩ | | | | | |
| CA55-B035#106TE200 | 35 | 28.0 | 10 | B | 35.0 | 6 | 200 | 612 | 429 | 153 | 105 | 3 |
| CA55-C035#106TE200 | 35 | 28.0 | 10 | C | 35.0 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-D035#106TE090 | 35 | 28.0 | 10 | D | 35.0 | 10 | 90 | 1080 | 756 | 270 | 105 | 3 |
| CA55-E035#106TE090 | 35 | 28.0 | 10 | E | 35.0 | 10 | 90 | 1179 | 825 | 295 | 105 | 3 |
| CA55-H035#106TE070 | 35 | 28.0 | 10 | H | 35.0 | 6 | 70 | 1336 | 935 | 334 | 105 | 3 |
| CA55-H035#106TE120 | 35 | 28.0 | 10 | H | 35.0 | 10 | 120 | 1021 | 714 | 255 | 105 | 3 |
| CA55-C035#156TE200 | 35 | 28.0 | 15 | C | 52.5 | 6 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-D035#156TE070 | 35 | 28.0 | 15 | D | 52.5 | 6 | 70 | 1225 | 857 | 306 | 105 | 3 |
| CA55-D035#156TE100 | 35 | 28.0 | 15 | D | 52.5 | 6 | 100 | 1025 | 717 | 256 | 105 | 3 |
| CA55-E035#156TE090 | 35 | 28.0 | 15 | E | 52.5 | 10 | 90 | 1179 | 825 | 295 | 105 | 3 |
| CA55-H035#156TE100 | 35 | 28.0 | 15 | H | 52.5 | 10 | 100 | 1118 | 783 | 280 | 105 | 3 |
| CA55-H035#156TE125 | 35 | 28.0 | 15 | H | 52.5 | 10 | 125 | 1000 | 700 | 250 | 105 | 3 |
| CA55-D035#226TE070 | 35 | 28.0 | 22 | D | 77.0 | 6 | 70 | 1225 | 857 | 306 | 105 | 3 |
| CA55-D035#226TE100 | 35 | 28.0 | 22 | D | 77.0 | 6 | 100 | 1025 | 717 | 256 | 105 | 3 |
| CA55-E035#226TE090 | 35 | 28.0 | 22 | E | 77.0 | 10 | 90 | 1179 | 825 | 295 | 105 | 3 |
| CA55-D035#336TE065 | 35 | 28.0 | 33 | D | 115.5 | 10 | 65 | 1271 | 890 | 318 | 105 | 3 |
| CA55-D035#336TE100 | 35 | 28.0 | 33 | D | 115.5 | 6 | 100 | 1025 | 717 | 256 | 105 | 3 |
| CA55-E035#336TE055 | 35 | 28.0 | 33 | E | 115.5 | 6 | 55 | 1508 | 1055 | 377 | 105 | 3 |
| CA55-E035#336TE070 | 35 | 28.0 | 33 | E | 115.5 | 6 | 70 | 1336 | 935 | 334 | 105 | 3 |
| CA55-E035#336TE090 | 35 | 28.0 | 33 | E | 115.5 | 10 | 90 | 1179 | 825 | 295 | 105 | 3 |
| CA55-V035#336TE090 | 35 | 28.0 | 33 | V | 115.5 | 10 | 90 | 1291 | 904 | 323 | 105 | 3 |
| CA55-E035#476TE030 | 35 | 28.0 | 47 | E | 164.5 | 10 | 30 | 2041 | 1429 | 510 | 105 | 3 |
| CA55-E035#476TE055 | 35 | 28.0 | 47 | E | 164.5 | 6 | 55 | 1508 | 1055 | 377 | 105 | 3 |
| CA55-E035#476TE090 | 35 | 28.0 | 47 | E | 164.5 | 10 | 90 | 1179 | 825 | 295 | 105 | 3 |
| CA55-V035#476TE090 | 35 | 28.0 | 47 | V | 164.5 | 10 | 90 | 1291 | 904 | 323 | 105 | 3 |
| CA55-W035#476TE090 | 35 | 28.0 | 47 | W | 164.5 | 10 | 90 | 1491 | 1043 | 373 | 105 | 3 |
| CA55-W035#686TE090 | 35 | 28.0 | 68 | W | 238.0 | 10 | 90 | 1491 | 1043 | 373 | 105 | 3 |
| CA55-B050#684TE350 | 50 | 40.0 | 0.68 | B | 3.4 | 10 | 350 | 463 | 324 | 116 | 105 | 3 |
| CA55-B050#684TE400 | 50 | 40.0 | 0.68 | B | 3.4 | 6 | 400 | 433 | 303 | 108 | 105 | 3 |
| CA55-B050#105TE300 | 50 | 40.0 | 1 | B | 5.0 | 6 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-B050#105TE350 | 50 | 40.0 | 1 | B | 5.0 | 10 | 350 | 463 | 324 | 116 | 105 | 3 |
| CA55-B050#155TE300 | 50 | 40.0 | 1.5 | B | 7.5 | 6 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-B050#155TE350 | 50 | 40.0 | 1.5 | B | 7.5 | 10 | 350 | 463 | 324 | 116 | 105 | 3 |
| CA55-C050#155TE200 | 50 | 40.0 | 1.5 | C | 7.5 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-C050#155TE300 | 50 | 40.0 | 1.5 | C | 7.5 | 6 | 300 | 548 | 383 | 137 | 105 | 3 |
| CA55-B050#225TE350 | 50 | 40.0 | 2.2 | B | 11.0 | 10 | 350 | 463 | 324 | 116 | 105 | 3 |
| CA55-C050#225TE200 | 50 | 40.0 | 2.2 | C | 11.0 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-C050#225TE300 | 50 | 40.0 | 2.2 | C | 11.0 | 6 | 300 | 548 | 383 | 137 | 105 | 3 |
| CA55-C050#335TE200 | 50 | 40.0 | 3.3 | C | 16.5 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-D050#335TE100 | 50 | 40.0 | 3.3 | D | 16.5 | 10 | 100 | 1025 | 717 | 256 | 105 | 3 |
| CA55-C050#475TE200 | 50 | 40.0 | 4.7 | C | 23.5 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-D050#475TE100 | 50 | 40.0 | 4.7 | D | 23.5 | 10 | 100 | 1025 | 717 | 256 | 105 | 3 |
| CA55-C050#685TE200 | 50 | 40.0 | 6.8 | C | 34.0 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-D050#685TE070 | 50 | 40.0 | 6.8 | D | 34.0 | 10 | 70 | 1225 | 857 | 306 | 105 | 3 |
| CA55-D050#685TE100 | 50 | 40.0 | 6.8 | D | 34.0 | 10 | 100 | 1025 | 717 | 256 | 105 | 3 |
| CA55-D050#685TE120 | 50 | 40.0 | 6.8 | D | 34.0 | 10 | 120 | 935 | 655 | 234 | 105 | 3 |
| CA55-H050#685TE070 | 50 | 40.0 | 6.8 | H | 34.0 | 10 | 70 | 1336 | 935 | 334 | 105 | 3 |
| CA55-H050#685TE090 | 50 | 40.0 | 6.8 | H | 34.0 | 10 | 90 | 1179 | 825 | 295 | 105 | 3 |
| CA55-D050#106TE090 | 50 | 40.0 | 10 | D | 50.0 | 10 | 90 | 1080 | 756 | 270 | 105 | 3 |
| CA55-D050#106TE120 | 50 | 40.0 | 10 | D | 50.0 | 10 | 120 | 935 | 655 | 234 | 105 | 3 |
| CA55-E050#106TE070 | 50 | 40.0 | 10 | E | 50.0 | 6 | 70 | 1336 | 935 | 334 | 105 | 3 |
| CA55-E050#106TE100 | 50 | 40.0 | 10 | E | 50.0 | 10 | 100 | 1118 | 783 | 280 | 105 | 3 |
| CA55-E050#156TE070 | 50 | 40.0 | 15 | E | 75.0 | 6 | 70 | 1336 | 935 | 334 | 105 | 3 |
| CA55-E050#156TE100 | 50 | 40.0 | 15 | E | 75.0 | 10 | 100 | 1118 | 783 | 280 | 105 | 3 |
| CA55-V050#156TE100 | 50 | 40.0 | 15 | V | 75.0 | 10 | 100 | 1225 | 857 | 306 | 105 | 3 |

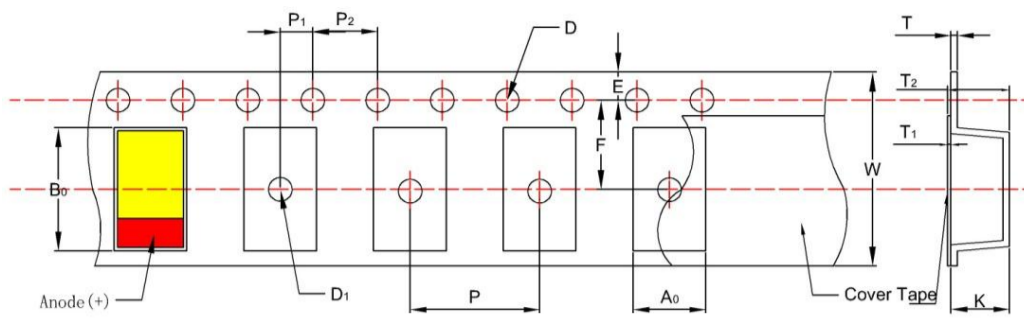
- 1 Please do not use multimeter through the measuring procedures.
- 2 Capacitance and DF measured at :100Hz, U_r=2.2°-1.0V, U₋=1.0°-0.5V, Frequency=100Hz.Test only applied in series equivalent circuit.
- 3 Voltage derating is applied at +105C°. (The DCL parameter should be read after 5 minutes when it connected to the circuit) .
- 4 Special size and demand could consult with us.

RATING & PART NUMBER REFERENCE

| Part Number | Rated Voltage | Category Voltage | capacitance | Case Code | Max. DCL | Max. DF | Max. ESR | 100kHz RMS Current (mA) | | | Category Temperature | MSL |
|--------------------|---------------|------------------|-------------|-----------|----------|---------------|----------------|-------------------------|-------|--------|----------------------|-----|
| | V | V | | | @+25C° | @+25C° ,100Hz | @+25C° ,100KHz | +45C° | +85C° | +105C° | C° | |
| | | | μF | | μA | % | mΩ | | | | | |
| CA55-E050#226TE075 | 50 | 40.0 | 22 | E | 110.0 | 10 | 75 | 1291 | 904 | 323 | 105 | 3 |
| CA55-E050#226TE100 | 50 | 40.0 | 22 | E | 110.0 | 10 | 100 | 1118 | 783 | 280 | 105 | 3 |
| CA55-V050#226TE100 | 50 | 40.0 | 22 | V | 110.0 | 10 | 100 | 1225 | 857 | 306 | 105 | 3 |
| CA55-W050#226TE100 | 50 | 40.0 | 22 | W | 110.0 | 10 | 100 | 1414 | 990 | 354 | 105 | 3 |
| CA55-E050#336TE075 | 50 | 40.0 | 33 | E | 165.0 | 10 | 75 | 1291 | 904 | 323 | 105 | 3 |
| CA55-V050#336TE100 | 50 | 40.0 | 33 | V | 165.0 | 10 | 100 | 1225 | 857 | 306 | 105 | 3 |
| CA55-W050#336TE100 | 50 | 40.0 | 33 | W | 165.0 | 10 | 100 | 1414 | 990 | 354 | 105 | 3 |
| CA55-W050#476TE100 | 50 | 40.0 | 47 | W | 235.0 | 10 | 100 | 1414 | 990 | 354 | 105 | 3 |
| CA55-B063#105TE300 | 63 | 50.4 | 1 | B | 6.3 | 8 | 300 | 500 | 350 | 125 | 105 | 3 |
| CA55-C063#105TE200 | 63 | 50.4 | 1 | C | 6.3 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-C063#105TE300 | 63 | 50.4 | 1 | C | 6.3 | 6 | 300 | 548 | 383 | 137 | 105 | 3 |
| CA55-D063#105TE120 | 63 | 50.4 | 1 | D | 6.3 | 10 | 120 | 935 | 655 | 234 | 105 | 3 |
| CA55-C063#155TE200 | 63 | 50.4 | 1.5 | C | 9.5 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-C063#155TE300 | 63 | 50.4 | 1.5 | C | 9.5 | 6 | 300 | 548 | 383 | 137 | 105 | 3 |
| CA55-D063#155TE120 | 63 | 50.4 | 1.5 | D | 9.5 | 10 | 120 | 935 | 655 | 234 | 105 | 3 |
| CA55-C063#225TE200 | 63 | 50.4 | 2.2 | C | 13.9 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-D063#225TE120 | 63 | 50.4 | 2.2 | D | 13.9 | 10 | 120 | 935 | 655 | 234 | 105 | 3 |
| CA55-C063#335TE200 | 63 | 50.4 | 3.3 | C | 20.8 | 10 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-D063#335TE120 | 63 | 50.4 | 3.3 | D | 20.8 | 10 | 120 | 935 | 655 | 234 | 105 | 3 |
| CA55-C063#475TE200 | 63 | 50.4 | 4.7 | C | 29.6 | 6 | 200 | 671 | 470 | 168 | 105 | 3 |
| CA55-D063#475TE075 | 63 | 50.4 | 4.7 | D | 29.6 | 10 | 75 | 1183 | 828 | 296 | 105 | 3 |
| CA55-D063#475TE120 | 63 | 50.4 | 4.7 | D | 29.6 | 10 | 120 | 935 | 655 | 234 | 105 | 3 |
| CA55-D063#475TE300 | 63 | 50.4 | 4.7 | D | 29.6 | 10 | 300 | 592 | 414 | 148 | 105 | 3 |
| CA55-E063#475TE120 | 63 | 50.4 | 4.7 | E | 29.6 | 10 | 120 | 1021 | 714 | 255 | 105 | 3 |
| CA55-D063#685TE120 | 63 | 50.4 | 6.8 | D | 42.8 | 10 | 120 | 935 | 655 | 234 | 105 | 3 |
| CA55-E063#685TE100 | 63 | 50.4 | 6.8 | E | 42.8 | 6 | 100 | 1118 | 783 | 280 | 105 | 3 |
| CA55-E063#685TE150 | 63 | 50.4 | 6.8 | E | 42.8 | 6 | 150 | 913 | 639 | 228 | 105 | 3 |
| CA55-D063#106TE120 | 63 | 50.4 | 10 | D | 63.0 | 10 | 120 | 935 | 655 | 234 | 105 | 3 |
| CA55-E063#106TE050 | 63 | 50.4 | 10 | E | 63.0 | 10 | 50 | 1581 | 1107 | 395 | 105 | 3 |
| CA55-E063#106TE100 | 63 | 50.4 | 10 | E | 63.0 | 6 | 100 | 1118 | 783 | 280 | 105 | 3 |
| CA55-E063#106TE150 | 63 | 50.4 | 10 | E | 63.0 | 6 | 150 | 913 | 639 | 228 | 105 | 3 |
| CA55-E063#156TE035 | 63 | 50.4 | 15 | E | 94.5 | 10 | 35 | 1890 | 1323 | 472 | 105 | 3 |
| CA55-E063#156TE120 | 63 | 50.4 | 15 | E | 94.5 | 10 | 120 | 1021 | 714 | 255 | 105 | 3 |
| CA55-E063#156TE150 | 63 | 50.4 | 15 | E | 94.5 | 10 | 150 | 913 | 639 | 228 | 105 | 3 |
| CA55-V063#156TE120 | 63 | 50.4 | 15 | V | 94.5 | 10 | 120 | 1118 | 783 | 280 | 105 | 3 |
| CA55-W063#226TE120 | 63 | 50.4 | 22 | W | 138.6 | 10 | 120 | 1291 | 904 | 323 | 105 | 3 |

- 1 Please do not use multimeter through the measuring procedures.
- 2 Capacitance and DF measured at :100Hz, U_{DC}=2.2~-1.0V, U_{AC}~1.0°-0.5V, Frequency=100Hz.Test only applied in series equivalent circuit.
- 3 Voltage derating is applied at +105C°. (The DCL parameter should be read after 5 minutes when it connected to the circuit) .
- 4 Special size and demand could consult with us.

A,B,C,D,E,V,W Case Product Packaging



Embossed (Plastic) Carrier Tape Dimensions

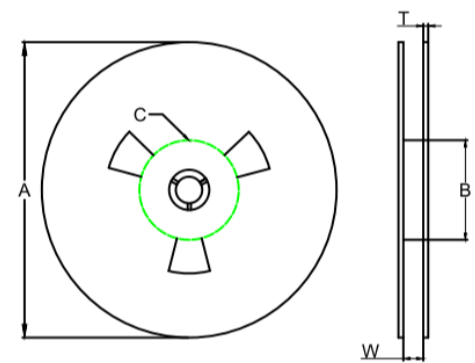
Diagram of Taping Dimensions

| Case | A ₀ ±0.10 | B ₀ ±0.10 | K±0.10 | W±0.30 | E±0.10 | F±0.05 | P±0.10 | P ₁ ±0.05 | P ₂ ±0.10 | D+0.20 | D ₁ +0.25 |
|------|----------------------|----------------------|--------|--------|--------|--------|--------|----------------------|----------------------|--------|----------------------|
| A | 1.83 | 3.57 | 1.65 | 8 | 1.75 | 3.5 | 4 | 2 | 4 | 1.5 | 1 |
| B | 3.15 | 3.77 | 2.22 | 8 | 1.75 | 3.5 | 4 | 2 | 4 | 1.5 | 1 |
| C | 3.45 | 6.4 | 2.92 | 12 | 1.75 | 5.5 | 8 | 2 | 4 | 1.5 | 1.5 |
| D | 4.48 | 7.62 | 3.22 | 12 | 1.75 | 5.5 | 8 | 2 | 4 | 1.5 | 1.5 |
| E | 4.5 | 7.5 | 4.5 | 12 | 1.75 | 5.5 | 8 | 2 | 4 | 1.5 | 1.5 |
| V | 6.4 | 7.6 | 4.4 | 12 | 1.75 | 5.5 | 8 | 2 | 4 | 1.5 | 1.5 |
| W | 7.2 | 8.1 | 4.75 | 16 | 1.75 | 7.5 | 12 | 2 | 4 | 1.5 | 1.5 |

±0.2mm over 10 sprocket hole spaces

Reel Dimensions

| Reel Size | Tape Wide | A | B | C | W | T |
|------------|-----------|----------|--------|-----------|-------------|-----------|
| 180mm (7") | 8mm | 178±2.00 | 50 min | 13.0±0.50 | 8.4+1.5/-0 | 1.50±0.50 |
| 180mm (7") | 12mm | 178±2.00 | 50 min | 13.0±0.50 | 12.4+1.5/-0 | 1.50±0.50 |
| 180mm (7") | 16mm | 178±2.00 | 50 min | 13.0±0.50 | 16.4+1.5/-1 | 1.50±0.50 |



Reel Dimensions

Packaging Quantity

| Case size | A | B | C | D | E | V | W |
|------------------------|------|------|-----|-----|-----|-----|-----|
| Quantity (pcs / plate) | 2000 | 2000 | 500 | 500 | 400 | 400 | 400 |

Land Dimension /Courtyard

| Case code | Metric Size Code | Density Level A: Maximum (Most) Land Protrusion (mm) | | | | | Density Level B : Median (Nominal) Land Protrusion (mm) | | | | | Density Level C: Minimum (Least) Land Protrusion (mm) | | | | |
|-----------|------------------|--|------|------|-------|-----|---|------|------|------|-----|---|------|------|------|------|
| | | W | L | S | V1 | V2 | W | L | S | V1 | V2 | W | L | S | V1 | V2 |
| A | 3216-18 | 1.35 | 2.20 | 0.62 | 6.02 | 2.8 | 1.23 | 1.8 | 0.82 | 4.92 | 2.3 | 1.13 | 1.42 | 0.98 | 4.06 | 2.04 |
| B | 3528-21 | 2.35 | 2.21 | 0.92 | 6.32 | 4.0 | 2.23 | 1.8 | 1.12 | 5.22 | 3.5 | 2.13 | 1.42 | 1.28 | 4.36 | 3.24 |
| C | 6032-25 | 2.35 | 2.77 | 2.37 | 8.92 | 4.5 | 2.23 | 2.37 | 2.57 | 7.82 | 4 | 2.13 | 1.99 | 2.73 | 6.96 | 3.74 |
| D | 7343-31 | 2.55 | 2.77 | 3.67 | 10.22 | 5.6 | 2.43 | 2.37 | 3.87 | 9.12 | 5.1 | 2.33 | 1.99 | 4.03 | 8.26 | 4.84 |
| E | 7343-43 | 2.55 | 2.77 | 3.67 | 10.22 | 5.6 | 2.43 | 2.37 | 3.87 | 9.12 | 5.1 | 2.33 | 1.99 | 4.03 | 8.26 | 4.84 |

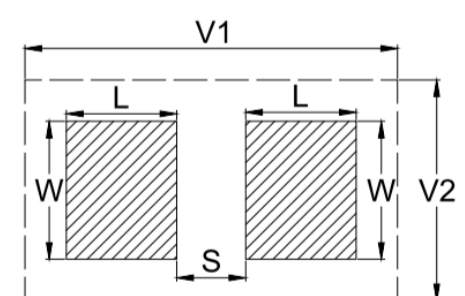
Density Level A: For low-density product applications. Recommended for wave solder applications and provides a wider process window for reflow solder processes.

Density Level B: For products with a moderate level of component density. Provides a robust solder attachment condition for reflow solder processes.

Density Level C: For high component density product applications. Before adapting the minimum land pattern variations the user should perform qualification testing based on the conditions outlined in IPC standard 7351 (IPC-7351).

1 Height of these chips may create problems in wave soldering.

2 Land pattern geometry is too small for silkscreen outline.



Surface Mount Footprints

Soldering Process

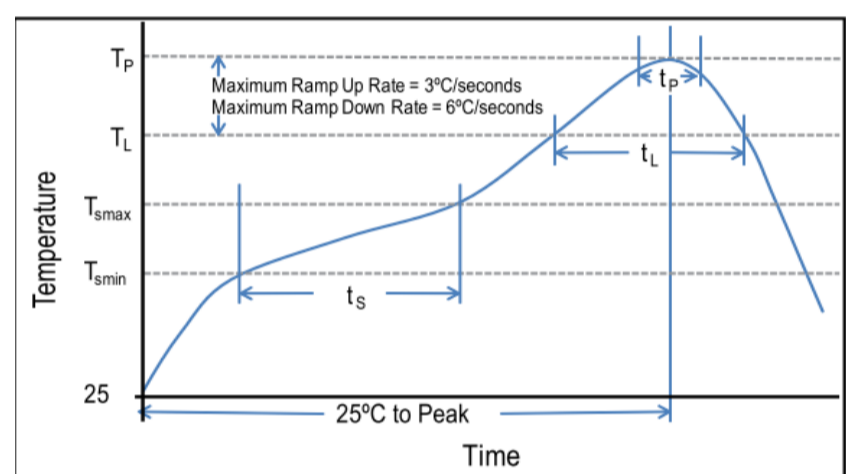
XIANGYEE tantalum capacitors are compatible with wave (single or dual), convection, IR, or vapor phase reflow techniques.

Preheating of these components is recommended to avoid extreme thermal stress. XIANGYEE's recommended profile conditions for convection and IR reflow reflect the profile conditions of the IPC/J-STD-020D standard for moisture sensitivity testing. The devices can safely withstand a maximum of three reflow passes at these conditions.

Hand soldering should be performed with care due to the difficulty in process control. If performed, care should be taken to avoid contact of the soldering iron to the molded case. The iron should be used to heat the solder pad, applying solder between the pad and the termination, until reflow occurs. Once reflow occurs, the iron should be removed immediately. "Wiping" the edges of a chip and heating the top surface is not recommended.

During typical reflow operations, a slight darkening of the gold-colored epoxy may be observed. This slight darkening is normal and not harmful to the product. Marking permanency is not affected by this change.

| Profile Feature | SnPb Assembly | Pb-Free Assembly |
|---|---------------------|---------------------|
| Preheat/Soak | | |
| Temperature Minimum (T_{smin}) | 100°C | 150°C |
| Temperature Maximum (T_{smax}) | 150°C | 200°C |
| Time (t_s) from T_{smin} to T_{smax} | 60 – 120 seconds | 60 – 120 seconds |
| Ramp-up Rate (T_L to T_P) | 3°C/seconds maximum | 3°C/seconds maximum |
| Liquidous Temperature (T_L) | 183°C | 217°C |
| Time Above Liquidous (t_L) | 60 – 150 seconds | 60 – 150 seconds |
| Peak Temperature (T_P) | 220°C* , 235°C** | 250°C* , 260°C** |
| Time within 5°C of Maximum Peak Temperature (t_P) | 20 seconds maximum | 30 seconds maximum |
| Ramp-down Rate (T_P to T_L) | 6°C/seconds maximum | 6°C/seconds maximum |
| Time 25°C to Peak Temperature | 6 minutes maximum | 8 minutes maximum |



Recommended Reflow Profile

Note: All temperatures refer to the center of the package, measured on the package body surface that is facing up during assembly reflow.

*Case Size D, E **Case Size A, B, C

Storage

Tantalum dielectric chip capacitors are unaffected by the following storage condition for 2 years:

Temperature: -10°C – +50°C Humidity: 75% RH maximum

Atmospheric pressure: 860 mbar ~ 1060mbar

Tantalum capacitors exhibit a very low random failure rate after long periods of storage and apart from this there are no known modes of failure under normal storage conditions. All capacitors will withstand any environmental conditions within their ratings for the periods given in the detail specifications. Storage for longer periods under high humidity conditions may affect the leakage current of resin protected capacitors. Solderability of solder coated surfaces may be affected by storage of excess of 2 years.

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[CA55-D6R3M337T](#) [CA55-B010M476T](#) [CA55-B016M226T](#) [CA55-D025M336T](#) [CA55-H2R5M477T](#) [749DX335X9016A2](#) [F920J226MPA](#)
[M39003/01-6081](#) [CWR29JC476KCHC](#) [TAP105K035BRS](#) [TC-100/16](#) [TC-22/6.3](#) [TC-4.7/35](#) [TC-68/25](#) [TCA1E475M8R](#) [TCTU1D334M8R](#)
[150D127X9015S2B](#) [150D685X9100R2B](#) [150D276X9010B2B](#) [150D106X0015B2BE3](#) [150D126X9060S2BE3](#) [07016-092MCCA](#)
[550D476X9035S2T](#) [16TQS33MED](#) [173D336X0025Y](#) [489D226X0016D6VE3](#) [489D105X0025A6VE3](#) [489D106X0016C6VE3](#)
[489D106X0025D6VE3](#) [489D106X0035F1VE3](#) [489D224X0035A1VE3](#) [489D224X0035A6VE3](#) [489D475X0035D1VE3](#)
[489D475X0035D6VE3](#) [489D105X0025A1VE3](#) [489D106X0010B1VE3](#) [489D225X0025B1VE3](#) [790D686X9016C2BE3](#)
[790D226X9040C2BE3](#) [790D105X9040A2BE3](#) [790D106X9025B2BE3](#) [T110A105K050AS](#) [T110D227K010AS](#)