

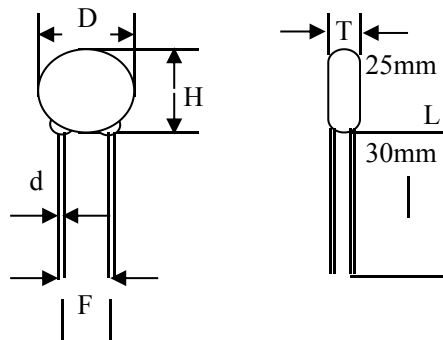
PART NUMBER CODE
14 D 220 K

① ② ③ ④

- ① Element dia.14: $\phi 14.0\text{mm}$;
 ② Disc type;
 ③ Varistor voltage, examples: 220— $22 \times 10^0 = 22\text{V}$, 221— $22 \times 10^1 = 220\text{V}$;
 ④ Tolerance, K= $\pm 10\%$, or customer special requirement;

DIMENSIONS

(unit: mm)



| | |
|------------------|---------|
| D(max) | 16.5mm |
| F(± 0.8) | 7.5mm |
| H(max) | 20.0mm |
| L | 25-30mm |
| d (± 0.02) | 0.8mm |

T Thickness (max) (unit: mm)

| Part Code | 14D | Part Code | 14D |
|-----------|-----|-----------|-----|
| 14D180L | 4.6 | 14D331K | 5.8 |
| 14D220K | 4.7 | 14D361K | 6.0 |
| 14D270K | 4.8 | 14D391K | 6.2 |

| | | | |
|---------|-----|---------|------|
| 14D330K | 5.0 | 14D431K | 6.5 |
| 14D390K | 5.3 | 14D471K | 6.7 |
| 14D470K | 5.4 | 14D511K | 6.8 |
| 14D560K | 5.5 | 14D561K | 7.0 |
| 14D680K | 5.6 | 14D621K | 7.3 |
| 14D820K | 4.7 | 14D681K | 7.6 |
| 14D101K | 4.9 | 14D751K | 8.0 |
| 14D121K | 5.1 | 14D781K | 8.1 |
| 14D151K | 5.4 | 14D821K | 8.3 |
| 14D181K | 4.8 | 14D911K | 8.8 |
| 14D201K | 5.0 | 14D102K | 9.3 |
| 14D221K | 5.1 | 14D112K | 9.9 |
| 14D241K | 5.2 | 14D122K | 10.4 |
| 14D271K | 5.4 | 14D182K | 13.0 |
| 14D301K | 5.5 | | |

PACKAGING

| Model | Component Package | Quantity |
|---------|-------------------|----------|
| 14D□□□K | 14.0mm | 500 |

ELECTRICAL CHARACTERISTIC

| Part Number | | Maximum allowable voltage | | Varistor voltage | Clamping voltage (Max.) | | | Maximum peak current (8/20 μ s) | | Maximum peak current (8/20 μ s) | | Rated power | Typical capacitance (Reference) |
|---------------|------------|---------------------------|-----|------------------|-------------------------|-----|----------|-------------------------------------|----------|-------------------------------------|-----|-------------|---------------------------------|
| Φ 14.0mm | | AC.rms | DC | V1.0mA | VC | IP | Standard | High surge | Standard | High surge | (W) | @1KHz(pf) | |
| Standard | High surge | (V) | (V) | (V) | (V) | (A) | (A) | (A) | (J) | (J) | | | |
| 14D180L | J | 10 | 14 | 18(15-21) | 36 | 10 | 1000 | 2000 | 4.0 | 7.0 | 0.1 | 11100 | |
| 14D220K | J | 14 | 18 | 22(20-24) | 43 | | | | 9100 | | | | |
| 14D270K | J | 17 | 22 | 27(24-30) | 53 | | | | 7400 | | | | |
| 14D330K | J | 20 | 26 | 33(30-36) | 65 | | | | 6100 | | | | |
| 14D390K | J | 25 | 31 | 39(35-43) | 77 | | | | 5100 | | | | |
| 14D470K | J | 30 | 38 | 47(42-52) | 93 | | | | 4300 | | | | |
| 14D560K | J | 35 | 45 | 56(50-62) | 110 | | | | 3600 | | | | |
| 14D680K | J | 40 | 56 | 68(61-75) | 135 | | | | 2900 | | | | |
| 14D820K | J | 50 | 65 | 85(74-90) | 135 | 50 | 4500 | 6000 | 22.0 | 27 | 0.6 | 2400 | |
| 14D101K | J | 60 | 85 | 100(90-110) | 165 | | | | 2000 | | | | |
| 14D121K | J | 75 | 100 | 120(108-132) | 200 | | | | 1700 | | | | |
| 14D151K | J | 95 | 125 | 150(135-165) | 250 | | | | 1300 | | | | |
| 14D181K | J | 115 | 150 | 180(162-198) | 300 | | | | 1100 | | | | |
| 14D201K | J | 130 | 170 | 200(185-225) | 340 | | | | 1000 | | | | |
| 14D221K | J | 140 | 180 | 220(198-242) | 360 | | | | 900 | | | | |
| 14D241K | J | 150 | 200 | 240(216-264) | 395 | | | | 830 | | | | |
| 14D271K | J | 175 | 225 | 270(243-297) | 455 | | | | 740 | | | | |
| 14D301K | J | 190 | 250 | 300(270-330) | 500 | | | | 670 | | | | |
| 14D331K | J | 210 | 275 | 330(297-363) | 550 | | | | 610 | | | | |
| 14D361K | J | 230 | 300 | 360(324-396) | 595 | | | | 560 | | | | |
| 14D391K | J | 250 | 320 | 390(351-429) | 650 | | | | 510 | | | | |
| 14D431K | J | 275 | 350 | 430(387-473) | 710 | | | | 460 | | | | |
| 14D471K | J | 300 | 385 | 470(426-517) | 775 | | | | 430 | | | | |
| 14D511K | J | 320 | 415 | 510(459-561) | 845 | | | | 390 | | | | |
| 14D561K | J | 350 | 460 | 560(504-616) | 925 | | | | 360 | | | | |
| 14D621K | J | 385 | 505 | 620(558-682) | 1025 | | | | 320 | | | | |
| 14D681K | J | 420 | 560 | 680(612-748) | 1120 | | | | 290 | | | | |
| 14D751K | J | 460 | 615 | 750(675-825) | 1240 | | | | 270 | | | | |
| 14D781K | J | 485 | 640 | 780(702-858) | 1290 | 260 | | | | | | | |
| 14D821K | J | 510 | 670 | 820(738-902) | 1355 | 240 | | | | | | | |
| 14D911K | J | 550 | 745 | 910(819-1001) | 1500 | 220 | | | | | | | |
| 14D102K | J | 625 | 825 | 1000(900-1100) | 1650 | 200 | | | | | | | |

| Part Number Φ 14.0mm | | Maximum allowable voltage | | Varistor voltage | Clamping voltage (Max.) | | Maximum peak current (8/20 μ s) | | Maximum peak current 8/20 μ s) | | Rated power | Typical capacitance (Reference) |
|------------------------------|------------|---------------------------|--------|------------------|-------------------------|--------|-------------------------------------|----------------|------------------------------------|----------------|-------------|---------------------------------|
| Standard | High surge | AC.rms (V) | DC (V) | V1.0mA (V) | VC (V) | IP (A) | Standard (A) | High surge (A) | Standard (J) | High surge (J) | (W) | @1KHz(pf) |
| 14D112K | J | 680 | 895 | 1100(990-1210) | 1815 | 50 | 4500 | 6000 | 213 | 310 | 0.6 | 180 |
| 14D122K | J | 700 | 990 | 1200(1080-1320) | 1880 | | | | 213 | 310 | | 150 |
| 14D182K | J | 1100 | 1465 | 1800(1620-1980) | 2970 | | | | 250 | 335 | | 130 |

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