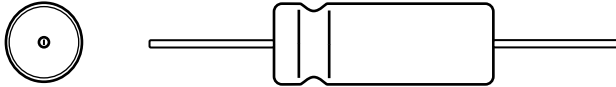


# Aluminum Capacitors + 85 °C, Miniature, Axial Lead



## FEATURES

- High CV per case size
- Low cost
- Solvent resistant construction (through 100 WV<sub>DC</sub>)
- Material categorization:



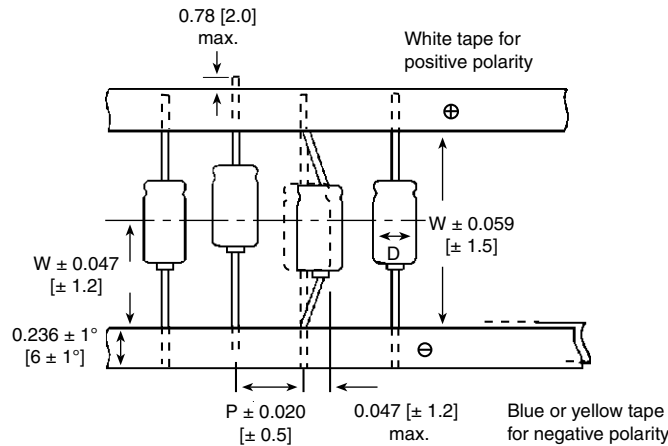
For definitions of compliance please see **RoHS COMPLIANT**  
[www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)

QUICK REFERENCE DATA	
DESCRIPTION	VALUE
Nominal case size Ø D x L in mm	0.197" x 0.472" [5.0 x 12.0] to 0.709" x 1.614" [18.0 x 41.0]
Operating temperature	- 40 °C to + 85 °C (- 25 °C to + 85 °C for 315 WV <sub>DC</sub> to 450 WV <sub>DC</sub> units)
Rated capacitance range, C <sub>R</sub>	0.47 µF to 10 000 µF
Tolerance on C <sub>R</sub>	± 20 %
Rated voltage range, U <sub>R</sub>	6.3 WV <sub>DC</sub> to 450 WV <sub>DC</sub>
Termination	2 axial leads
Life validation test at 85 °C	2000 h: ΔCAP ≤ 20 % from initial measurement. ΔDF x 2 initial specified limit. ΔDCL ≤ initial specified limit.
Shelf life at 85 °C	1000 h: ΔCAP ± 20 % from initial measurement. ΔDF 2 x initial specified limit. ΔDCL ≤ the initial specified limit.
DC leakage current	Rated voltage for 1 min for 6.3 WV <sub>DC</sub> to 100 WV <sub>DC</sub> units I < 0.03 CV or 4 µA (whichever is greater) Rated voltage for 2 min for 6.3 WV <sub>DC</sub> to 100 WV <sub>DC</sub> units I < 0.01 CV or 3 µA (whichever is greater) Rated voltage for 1 min for 160 WV <sub>DC</sub> to 450 WV <sub>DC</sub> units I < 0.1 CV + 40 µA and CV ≤ 1000 I < 0.04 CV + 100 µA and CV > 1000

RIPPLE CURRENT MULTIPLIERS						
TEMPERATURE						
AMBIENT TEMPERATURE			MULTIPLIERS			
≤ + 70 °C			1.27			
+ 85 °C			1.0			
FREQUENCY (Hz)/CAPACITANCE (µF)						
WV <sub>DC</sub>	CAP. (µF)	50 TO 60	100 TO 120	300 TO 400	1 kHz	≥ 10 kHz
6.3 to 100	0 to 47	0.75	1	1.35	1.57	2.00
	100 to 470	0.80	1	1.23	1.34	1.50
160 to 450	1000 to 10 000	0.85	1	1.10	1.13	1.15
	1 to 100	0.80	1	1.25	1.40	1.60

LOW TEMPERATURE PERFORMANCE		
MAXIMUM IMPEDANCE RATIO Z <sup>(T)</sup> /Z <sup>(+20 °C)</sup> MAXIMUM AT 120 Hz		
RATED VOLTAGE (WV <sub>DC</sub> )	Z - 25 °C/Z + 20 °C	Z - 40 °C/Z + 20 °C
6.3	4.0	10.0
10.0	3.0	8.0
16.0	2.0	6.0
25.0	2.0	4.0
35.0 to 100.0	2.0	3.0
160.0 to 250.0	4.0	12.0
315.0 to 350.0	6.0	-
400.0 to 450.0	15.0	-

DIMENSIONS in inches [millimeters]							
CASE CODE	NOMINAL CASE SIZE D x L	LEAD DIAMETER	TYPICAL WEIGHT (g)	CASE CODE	NOMINAL CASE SIZE D x L	LEAD DIAMETER	TYPICAL WEIGHT (g)
JL	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.56	NR	0.394 x 1.023 [10.0 x 26.0]	0.024 [0.6]	3.10
LL	0.248 x 0.472 [6.3 x 12.0]	0.024 [0.6]	0.90	PR	0.512 x 1.023 [13.0 x 26.0]	0.024 [0.6]	4.63
LM	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	1.07	PS	0.512 x 1.240 [13.0 x 31.5]	0.024 [0.6]	5.47
MM	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	1.45	QS	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	8.26
MN	0.315 x 0.787 [8.0 x 20.0]	0.024 [0.6]	1.70	QT	0.630 x 1.633 [16.0 x 41.5]	0.031 [0.8]	10.42
NP	0.394 x 0.827 [10.0 x 21.0]	0.024 [0.6]	2.32	RT	0.709 x 1.614 [18.0 x 41.0]	0.031 [0.8]	12.42

**DIMENSIONS** in inches [millimeters]


<b>DIMENSIONS</b> in inches [millimeters] <b>AND PACKAGING QUANTITIES</b>				
CASE CODE	TAPING CODE	SPECIFICATIONS		
		TAPE WIDTH $W \pm 0.059$ [1.5]	COMPONENT PITCH $P \pm 0.020$ [0.5]	QUANTITY PER REEL
JL	B	2.063 [52.4]	0.394 [10.0]	1600
LL	B	2.063 [52.4]	0.394 [10.0]	1300
LM	B	2.063 [52.4]	0.394 [10.0]	1300
MM	B	2.063 [52.4]	0.394 [10.0]	1000
MN	B	2.500 [63.5]	0.394 [10.0]	1000
NP	B	2.500 [63.5]	0.591 [15.0]	500
NP	C	2.874 [73.0]	0.591 [15.0]	500
NR	B	2.500 [63.5]	0.591 [15.0]	500
NR	C	2.874 [73.0]	0.591 [15.0]	500
PR	B	2.500 [63.5]	0.591 [15.0]	350
PR	C	2.874 [73.0]	0.591 [15.0]	350
PS	B	2.874 [73.0]	0.591 [15.0]	350

**ORDERING EXAMPLE**

Electrolytic capacitor 516D series:      516D 107 M 6R3 JL 6 A E3

<b>DESCRIPTION</b>	
CODE	EXPLANATION
516D	Product type
107	Capacitance value (100 $\mu$ F)
M	Tolerance (M = $\pm 20$ %)
6R3	Voltage rating at 85 °C (6R3 = 6.3 V)
JL	Can size (see dimensions table)
6	Packaging (bulk)
A	Lead style (uncut)
E3	RoHS compliant indicator

**PACKING AND LEAD STYLES**

- 6A      Bulk, uncut leads.
- 7B      Tape and reel. For case codes JL, LL, LM, MM, MN, NP, NR, PR and PS only.
- 7C      Tape and reel with 2.874" [73.0] mm tape width. For case codes NP, NR and PR only.

\* Suffix E3 denotes lead (Pb)-free/RoHS compliant products



<b>ELECTRICAL DATA AND ORDERING INFORMATION</b>					
<b>CAPACITANCE (<math>\mu</math>F)</b>	<b>PART NUMBER</b>	<b>NOMINAL CASE SIZE D x L</b>	<b>LEAD DIAMETER</b>	<b>MAX. DF AT + 20 °C 120 Hz</b>	<b>MAX. RIPPLE AT + 85 °C/120 Hz (mA<sub>RMS</sub>)</b>
<b>6.3 WV<sub>DC</sub> AT + 85 °C, SURGE = 8 V</b>					
100	516D107M6R3JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.24	110
220	516D227M6R3LM6AE3	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	0.24	200
330	516D337M6R3LM6AE3	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	0.24	250
470	516D477M6R3MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.24	330
1000	516D108M6R3NP6AE3	0.394 x 0.827 [10.0 x 21.0]	0.024 [0.6]	0.24	600
2200	516D228M6R3PR6AE3	0.512 x 1.024 [13.0 x 26.0]	0.024 [0.6]	0.24	1020
3300	516D338M6R3PR6AE3	0.512 x 1.024 [13.0 x 26.0]	0.024 [0.6]	0.24	1200
4700	516D478M6R3QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.024 [0.6]	0.24	1500
6800	516D688M6R3QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	0.24	1840
10 000	516D109M6R3QT6AE3	0.630 x 1.633 [16.0 x 41.5]	0.031 [0.8]	0.24	2260
<b>10 WV<sub>DC</sub> AT + 85 °C, SURGE = 13 V</b>					
33	516D336M010JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.2	65
47	516D476M010JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.2	80
100	516D107M010LL6AE3	0.248 x 0.472 [6.3 x 12.0]	0.024 [0.6]	0.2	130
220	516D227M010LM6AE3	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	0.2	210
330	516D337M010MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.2	300
470	516D477M010MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.2	350
1000	516D108M010NP6AE3	0.394 x 0.827 [10.0 x 21.0]	0.024 [0.6]	0.2	640
2200	516D228M010PR6AE3	0.512 x 1.024 [13.0 x 26.0]	0.024 [0.6]	0.2	1090
3300	516D338M010PS6AE3	0.512 x 1.240 [13.0 x 31.5]	0.024 [0.6]	0.2	1390
4700	516D478M010QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	0.2	1730
6800	516D688M010QT6AE3	0.630 x 1.633 [16.0 x 41.5]	0.031 [0.8]	0.2	1930
10 000	516D109M010RT6AE3	0.709 x 1.614 [18.0 x 41.0]	0.031 [0.8]	0.2	2350
<b>16 WV<sub>DC</sub> AT + 85 °C, SURGE = 20 V</b>					
22	516D226M016JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.16	60
33	516D336M016JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.16	70
47	516D476M016JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.16	85
100	516D107M016LM6AE3	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	0.16	160
220	516D227M016MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.16	260
330	516D337M016MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.16	320
470	516D477M016MN6AE3	0.315 x 0.787 [8.0 x 20.0]	0.024 [0.6]	0.16	430
1000	516D108M016NR6AE3	0.394 x 1.024 [10.0 x 26.0]	0.024 [0.6]	0.16	770
2200	516D228M016PS6AE3	0.512 x 1.240 [13.0 x 31.5]	0.024 [0.6]	0.16	1180
3300	516D338M016QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	0.16	1620
4700	516D478M016QT6AE3	0.630 x 1.633 [16.0 x 41.5]	0.031 [0.8]	0.16	1840
6800	516D688M016RT6AE3	0.709 x 1.614 [18.0 x 41.0]	0.031 [0.8]	0.16	2310
<b>25 WV<sub>DC</sub> AT + 85 °C, SURGE = 32 V</b>					
10	516D106M025JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.14	40
22	516D226M025JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.14	65
33	516D336M025JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.14	80
47	516D476M025LL6AE3	0.248 x 0.472 [6.3 x 12.0]	0.024 [0.6]	0.14	100
100	516D107M025LM6AE3	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	0.14	170
220	516D227M025MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.14	280
330	516D337M025MN6AE3	0.315 x 0.787 [8.0 x 20.0]	0.024 [0.6]	0.14	380
470	516D477M025NR6AE3	0.394 x 1.024 [10.0 x 26.0]	0.024 [0.6]	0.14	510
1000	516D108M025PR6AE3	0.512 x 1.024 [13.0 x 26.0]	0.024 [0.6]	0.14	900



<b>ELECTRICAL DATA AND ORDERING INFORMATION</b>					
<b>CAPACITANCE (<math>\mu</math>F)</b>	<b>PART NUMBER</b>	<b>NOMINAL CASE SIZE D x L</b>	<b>LEAD DIAMETER</b>	<b>MAX. DF AT + 20 °C 120 Hz</b>	<b>MAX. RIPPLE AT + 85 °C/120 Hz (mA<sub>RMS</sub>)</b>
<b>25 WV<sub>DC</sub> AT + 85 °C, SURGE = 32 V</b>					
2200	516D228M025QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	0.14	1480
3300	516D338M025QT6AE3	0.630 x 1.633 [16.0 x 41.5]	0.031 [0.8]	0.14	1710
4700	516D478M025RT6AE3	0.709 x 1.614 [18.0 x 41.0]	0.031 [0.8]	0.14	2170
<b>35 WV<sub>DC</sub> AT + 85 °C, SURGE = 44 V</b>					
10	516D106M035JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.12	45
22	516D226M035JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.12	70
33	516D336M035LL6AE3	0.248 x 0.472 [6.3 x 12.0]	0.024 [0.6]	0.12	90
47	516D476M035LM6AE3	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	0.12	120
100	516D107M035MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.12	210
220	516D227M035MN6AE3	0.315 x 0.787 [8.0 x 20.0]	0.024 [0.6]	0.12	340
330	516D337M035NP6AE3	0.394 x 0.827 [10.0 x 21.0]	0.024 [0.6]	0.12	460
470	516D477M035NR6AE3	0.394 x 1.024 [10.0 x 26.0]	0.024 [0.6]	0.12	610
1000	516D108M035PS6AE3	0.512 x 1.240 [13.0 x 31.5]	0.024 [0.6]	0.12	1060
2200	516D228M035QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	0.12	1580
3300	516D338M035QT6AE3	0.630 x 1.633 [16.0 x 41.5]	0.031 [0.8]	0.12	2050
<b>50 WV<sub>DC</sub> AT + 85 °C, SURGE = 63 V</b>					
0.47	516D474M050JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.1	5
1.0	516D105M050JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.1	10
2.2	516D225M050JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.1	23
3.3	516D335M050JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.1	28
4.7	516D475M050JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.1	34
10	516D106M050JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.1	50
22	516D226M050LL6AE3	0.248 x 0.472 [6.3 x 12.0]	0.024 [0.6]	0.1	85
33	516D336M050LM6AE3	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	0.1	110
47	516D476M050LM6AE3	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	0.1	130
100	516D107M050MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.1	220
220	516D227M050NP6AE3	0.394 x 0.827 [10.0 x 21.0]	0.024 [0.6]	0.1	410
330	516D337M050NR6AE3	0.394 x 1.024 [10.0 x 26.0]	0.024 [0.6]	0.1	560
470	516D477M050PR6AE3	0.512 x 1.024 [13.0 x 26.0]	0.024 [0.8]	0.1	730
1000	516D108M050QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	0.1	1260
2200	516D228M050RT6AE3	0.709 x 1.614 [18.0 x 41.0]	0.031 [0.8]	0.1	1920
<b>63 WV<sub>DC</sub> AT + 85 °C, SURGE = 79 V</b>					
3.3	516D335M063JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.08	31
4.7	516D475M063JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.08	37
10	516D106M063JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.08	55
22	516D226M063LL6AE3	0.248 x 0.472 [6.3 x 12.0]	0.024 [0.6]	0.08	90
33	516D336M063LM6AE3	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	0.08	120
47	516D476M063MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.08	160
100	516D107M063MN6AE3	0.315 x 0.787 [8.0 x 20.0]	0.024 [0.6]	0.08	260
220	516D227M063NR6AE3	0.394 x 1.024 [10.0 x 26.0]	0.024 [0.6]	0.08	480
330	516D337M063PR6AE3	0.512 x 1.024 [13.0 x 26.0]	0.024 [0.6]	0.08	650
470	516D477M063PS6AE3	0.512 x 1.240 [13.0 x 31.5]	0.024 [0.6]	0.08	840
1000	516D108M063QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	0.08	1330



<b>ELECTRICAL DATA AND ORDERING INFORMATION</b>					
<b>CAPACITANCE (<math>\mu</math>F)</b>	<b>PART NUMBER</b>	<b>NOMINAL CASE SIZE D x L</b>	<b>LEAD DIAMETER</b>	<b>MAX. DF AT + 20 °C 120 Hz</b>	<b>MAX. RIPPLE AT + 85 °C/120 Hz (mA<sub>RMS</sub>)</b>
<b>100 WV<sub>DC</sub> AT + 85 °C, SURGE = 125 V</b>					
0.47	516D474M100JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.08	10
1.0	516D105M100JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.08	18
2.2	516D225M100JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.08	28
3.3	516D335M100JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.08	34
4.7	516D475M100JL6AE3	0.197 x 0.472 [5.0 x 12.0]	0.024 [0.6]	0.08	40
10	516D106M100LL6AE3	0.248 x 0.472 [6.3 x 12.0]	0.024 [0.6]	0.08	60
22	516D226M100MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.08	120
33	516D336M100MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.08	150
47	516D476M100MN6AE3	0.315 x 0.787 [8.0 x 20.0]	0.024 [0.6]	0.08	190
100	516D107M100NR6AE3	0.394 x 1.024 [10.0 x 26.0]	0.024 [0.6]	0.08	340
220	516D227M100PR6AE3	0.512 x 1.024 [13.0 x 26.0]	0.024 [0.6]	0.08	560
330	516D337M100PS6AE3	0.512 x 1.240 [13.0 x 31.5]	0.024 [0.6]	0.08	750
470	516D477M100QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	0.08	970
<b>160 WV<sub>DC</sub> AT + 85 °C, SURGE = 200 V</b>					
1.0	516D105M160LL6AE3	0.248 x 0.472 [6.3 x 12.0]	0.024 [0.6]	0.2	13
2.2	516D225M160LM6AE3	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	0.2	23
3.3	516D335M160MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.2	33
4.7	516D475M160MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.2	39
10	516D106M160MN6AE3	0.315 x 0.787 [8.0 x 20.0]	0.024 [0.6]	0.2	60
22	516D226M160NR6AE3	0.394 x 1.024 [10.0 x 26.0]	0.024 [0.6]	0.2	120
33	516D336M160PR6AE3	0.512 x 1.024 [13.0 x 26.0]	0.024 [0.6]	0.2	170
47	516D476M160PS6AE3	0.512 x 1.240 [13.0 x 31.5]	0.024 [0.6]	0.2	230
100	516D107M160QT6AE3	0.630 x 1.633 [16.0 x 41.5]	0.031 [0.8]	0.2	430
<b>200 WV<sub>DC</sub> AT + 85 °C, SURGE = 250 V</b>					
1.0	516D105M200LL6AE3	0.248 x 0.472 [6.3 x 12.0]	0.024 [0.6]	0.2	13
2.2	516D225M200LM6AE3	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	0.2	23
3.3	516D335M200MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.2	33
4.7	516D475M200MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.2	39
10	516D106M200NP6AE3	0.394 x 0.827 [10.0 x 21.0]	0.024 [0.6]	0.2	70
22	516D226M200PR6AE3	0.512 x 1.024 [13.0 x 26.0]	0.024 [0.6]	0.2	140
33	516D336M200PR6AE3	0.512 x 1.024 [13.0 x 26.0]	0.024 [0.6]	0.2	170
47	516D476M200PS6AE3	0.512 x 1.240 [13.0 x 31.5]	0.024 [0.6]	0.2	230
100	516D107M200QT6AE3	0.630 x 1.633 [16.0 x 41.5]	0.031 [0.8]	0.2	430
<b>250 WV<sub>DC</sub> AT + 85 °C, SURGE = 300 V</b>					
1.0	516D105M250LM6AE3	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	0.2	14
2.2	516D225M250MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.2	27
3.3	516D335M250MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.2	33
4.7	516D475M250MN6AE3	0.315 x 0.787 [8.0 x 20.0]	0.024 [0.6]	0.2	45
10	516D106M250NP6AE3	0.394 x 0.827 [10.0 x 21.0]	0.024 [0.6]	0.2	70
22	516D226M250PR6AE3	0.512 x 1.024 [13.0 x 26.0]	0.024 [0.6]	0.2	140
33	516D336M250PS6AE3	0.512 x 1.240 [13.0 x 31.5]	0.024 [0.6]	0.2	190
47	516D476M250QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	0.2	260
100	516D107M250QT6AE3	0.630 x 1.633 [16.0 x 41.5]	0.031 [0.8]	0.2	430



<b>ELECTRICAL DATA AND ORDERING INFORMATION</b>					
<b>CAPACITANCE (<math>\mu</math>F)</b>	<b>PART NUMBER</b>	<b>NOMINAL CASE SIZE D x L</b>	<b>LEAD DIAMETER</b>	<b>MAX. DF AT + 20 °C 120 Hz</b>	<b>MAX. RIPPLE AT + 85 °C/120 Hz (mA<sub>RMS</sub>)</b>
<b>315 WV<sub>DC</sub> AT + 85 °C, SURGE = 365 V</b>					
1.0	516D105M315LM6AE3	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	0.2	14
2.2	516D225M315MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.2	27
3.3	516D335M315MN6AE3	0.315 x .0787 [8.0 x 20.0]	0.024 [0.6]	0.2	36
4.7	516D475M315MN6AE3	0.315 x 0.787 [8.0 x 20.0]	0.024 [0.6]	0.2	45
10	516D106M315NR6AE3	0.394 x 1.024 [10.0 x 26.0]	0.024 [0.6]	0.2	80
22	516D226M315PS6AE3	0.512 x 1.240 [13.0 x 31.5]	0.024 [0.6]	0.2	150
33	516D336M315QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	0.2	210
47	516D476M315QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	0.2	260
<b>350 WV<sub>DC</sub> AT + 85 °C, SURGE = 400 V</b>					
1.0	516D105M350LM6AE3	0.248 x 0.630 [6.3 x 16.0]	0.024 [0.6]	0.25	12
2.2	516D225M350MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.25	24
3.3	516D335M350MN6AE3	0.315 x 0.787 [8.0 x 20.0]	0.024 [0.6]	0.25	32
4.7	516D475M350NP6AE3	0.394 x 0.827 [10.0 x 21.0]	0.024 [0.6]	0.25	46
10	516D106M350PR6AE3	0.512 x 1.024 [13.0 x 26.0]	0.024 [0.6]	0.25	85
22	516D226M350PS6AE3	0.512 x 1.240 [13.0 x 31.5]	0.024 [0.6]	0.25	140
33	516D336M350QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	0.25	190
47	516D476M350QT6AE3	0.630 x 1.633 [16.0 x 41.5]	0.031 [0.8]	0.25	260
<b>400 WV<sub>DC</sub> AT + 85 °C, SURGE = 450 V</b>					
1.0	516D105M400MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.25	14
2.2	516D225M400MN6AE3	0.315 x 0.787 [8.0 x 20.0]	0.024 [0.6]	0.25	28
3.3	516D335M400NP6AE3	0.394 x 0.827 [10.0 x 21.0]	0.024 [0.6]	0.25	38
4.7	516D475M400NP6AE3	0.394 x 0.827 [10.0 x 21.0]	0.024 [0.6]	0.25	46
10	516D106M400PR6AE3	0.512 x 1.024 [13.0 x 26.0]	0.024 [0.6]	0.25	85
22	516D226M400QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	0.25	150
33	516D336M400QT6AE3	0.630 x 1.633 [16.0 x 41.5]	0.031 [0.8]	0.25	210
47	516D476M400RT6AE3	0.709 x 1.614 [18.0 x 41.0]	0.031 [0.8]	0.25	290
<b>450 WV<sub>DC</sub> AT + 85 °C, SURGE = 500 V</b>					
1.0	516D105M450MM6AE3	0.315 x 0.630 [8.0 x 16.0]	0.024 [0.6]	0.25	14
2.2	516D225M450MN6AE3	0.394 x 0.827 [10.0 x 21.0]	0.024 [0.6]	0.25	31
3.3	516D335M450NP6AE3	0.394 x 0.827 [10.0 x 21.0]	0.024 [0.6]	0.25	38
4.7	516D475M450NP6AE3	0.394 x 1.024 [10.0 x 26.0]	0.024 [0.6]	0.25	50
10	516D106M450PR6AE3	0.512 x 1.024 [13.0 x 26.0]	0.024 [0.6]	0.25	85
22	516D226M450QS6AE3	0.630 x 1.240 [16.0 x 31.5]	0.031 [0.8]	0.25	150
33	516D336M450QT6AE3	0.709 x 1.614 [18.0 x 41.0]	0.031 [0.8]	0.25	230



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