Surface Mount Metallized PPS Film Capacitor

SMC, Encapsulated, Size 2220 – 6560, 50 – 400 VDC

Electronic Components
KEMET
CHARGED.

Overview

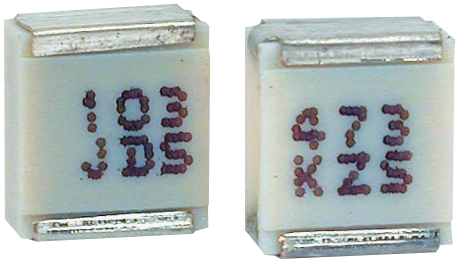
Polyphenylene sulphide (PPS) film capacitor for surface mounting is encapsulated in a self-extinguishing material, meeting the requirements of UL 94 V–0. SMC capacitors meet the standards according to IEC 60384–20.

Applications

Typical applications include timing, filtering, and use as a memory capacitor. The SMC Series is designed for high stability, accuracy, and temperature. Not suitable for across-the-line application (see suppressor capacitors).

Benefits

- Rated voltage: 50 – 400 VDC
- Rated voltage: 30 – 200 VAC
- Capacitance range: 0.001 – 3.3 µF
- EIA Size: 2220 – 6560
- Capacitance tolerance: ±2%, ±2.5%, ±5%
- Climatic category: 55/125/56
- RoHS Compliant and lead-free terminations
- Operating temperature range of −55°C to +125°C



Legacy Part Number System

SMC	5.7	102	J	50	J33	TR12
Series	Chip Length (mm)	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VDC)	Size Code	Packaging
Metallized PPS	5.7 7.3 10.2 12.7 16.5	First two digits represent significant figures. The third digit specifies number of zeros.	G = ±2% H = ±2.5% J = ±5%	50 100 250 400	See Dimension Table	See Ordering Options Table

New KEMET Part Number System

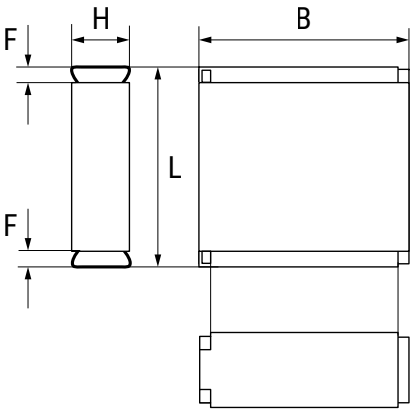
F	125	P	P	102	J	050	V
Capacitor Class	Series	Chip Size	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VDC)	Packaging
F = Film	Metallized PPS	P = 2220 S = 2820 W = 4036 Y = 5045 Z = 6560	See Dimension Table	First two digits represent significant figures. The third digit specifies number of zeros.	G = ±2% R = ±2.5% J = ±5%	050 = 50 100 = 100 250 = 250 400 = 400	See Ordering Options Table

© KEMET Electronics Corporation • KEMET Tower • One East Broward Boulevard
Fort Lauderdale, FL 33301 USA • 954-766-2800 • www.kemet.com

Ordering Options Table

Chip Size (EIA)	Packaging Type	KEMET Packaging Code	Legacy Packaging Code
2220	**Standard Packaging Options**		
	Tape & Reel (Standard Reel)	V	TR12
	Bulk (Bag)	A	BULK
2824	**Standard Packaging Options**		
	Tape & Reel (Standard Reel)	V	TR12
	Bulk (Bag)	A	BULK
4036	**Standard Packaging Options**		
	Tape & Reel (Horizontal Orientation Standard Reel)	V	TR16
	Bulk (Bag)	A	BULK
	Other Packaging Options		
	Tape & Reel (Vertical Orientation Standard Reel)	Y	TV24
5045	**Standard Packaging Options**		
	Tape & Reel (Standard Reel)	V	TR24
	Bulk (Bag)	A	BULK
	Other Packaging Options		
	Tape & Reel (Vertical Orientation Standard Reel)	Y	TV24
6560	**Standard Packaging Options**		
	Tape & Reel (Standard Reel)	V	TR24
	Bulk (Bag)	A	BULK
	Other Packaging Options		
	Tape & Reel (Vertical Orientation Standard Reel)	Y	TV44

Dimensions – Millimeters



KEMET Size Code	Legacy Size Code	Chip Size (EIA)	B		H		L		F	
			Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance
PP	J33	2220	5.0	±0.2	3.0	±0.2	5.7	±0.2	0.5	Nominal
PU	J35	2220	5.0	±0.2	4.0	±0.2	5.7	±0.2	0.5	Nominal
SL	K33	2824	6.0	±0.2	3.0	±0.2	7.3	±0.2	0.5	Nominal
SP	K35	2824	6.0	±0.2	3.5	±0.2	7.3	±0.2	0.5	Nominal
ST	K37	2824	6.0	±0.2	4.5	±0.2	7.3	±0.2	0.5	Nominal
WP	A31	4036	9.1	±0.2	5.5	±0.2	10.2	±0.2	0.5	Nominal
YR	B31	5045	11.5	±0.2	6.5	±0.2	12.7	±0.2	0.5	Nominal
ZS	C31	6560	15.0	±0.2	7.0	±0.2	16.5	±0.2	0.5	Nominal

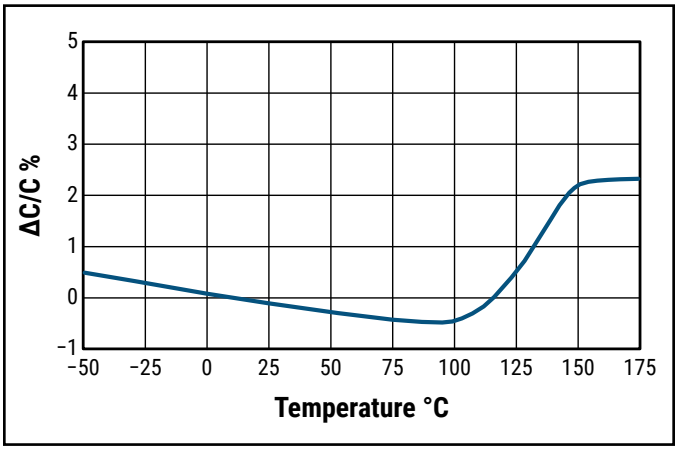
Environmental Compliance

All KEMET surface mount capacitors are RoHS Compliant.

Performance Characteristics

Rated Voltage (VDC)	50	100	250	400
Rated Voltage (VAC)	30	63	160	200
Capacitance Range (µF)	0.001 – 3.3	0.001 – 1.5	0.001 – 0.47	0.001 – 0.22
Chip Size (EIA)	2220 – 6560			
Capacitance Tolerance	±2%, ±2.5%, ±5%			
Category Temperature Range	–55°C to +125°C			
Rated Temperature	+100°C			
Voltage Derating	The rated voltage should be decreased with 1.25%/°C from +100°C to +125°C and 1.5%/°C from +125°C to 175°C			
Climatic Category	55/125/56			
Test Voltage	1.6 x V_R, 60 seconds			
Insulation Resistance	Measured at +20°C According to IEC 60384–19			
	Between Terminals			
			C ≤ 0.33 µF	C > 0.33 µF
	V_R ≤ 100		15,000 MΩ	5,000 MΩ • µF
	V_R > 100		30,000 MΩ	10,000 MΩ • µF
Dissipation Factor	Maximum Values at +23°C			
		C ≤ 0.1 µF	0.1 < C ≤ 1 µF	C > 1 µF
	1 kHz	0.15%	0.15%	0.15%
	10 kHz	0.25%	0.25%	0.30%
	100 kHz	0.50%	0.60%	
Pulse Rise Time	The capacitors can withstand an unlimited number of pulses with a dV/dt, according to Table 1. For voltages (V) lower than the rated voltage (V_R), the specified dV/dt can be multiplied by V_R/V.			

Capacitance vs. Temperature



Dissipation Factor vs. Temperature

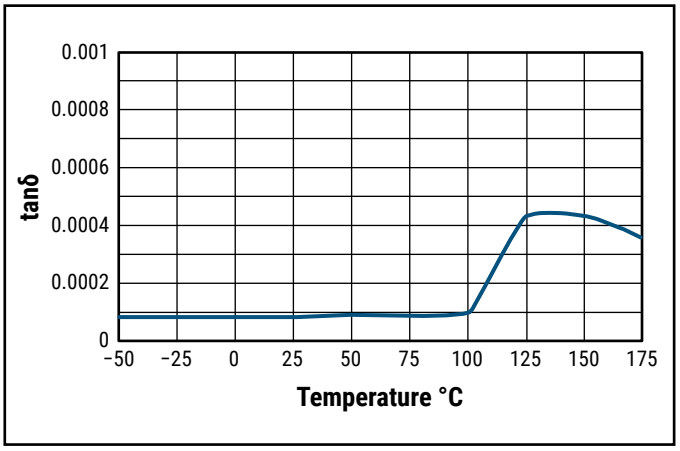


Table 1 – Ratings & Part Number Reference

VDC	VAC	Capacitance Value (µF)	Size Code (New/ Legacy)	Dimensions in mm			Chip Size	dV/dt (V/µs)	New KEMET Part Number	Legacy Part Number
				B	H	L				
50	30	0.0010	PP/J33	5.0	3.0	5.7	2220	20	F125PP102(1)050(2)	SMC5.7102(1)50J33(2)
50	30	0.0012	PP/J33	5.0	3.0	5.7	2220	20	F125PP122(1)050(2)	SMC5.7122(1)50J33(2)
50	30	0.0015	PP/J33	5.0	3.0	5.7	2220	20	F125PP152(1)050(2)	SMC5.7152(1)50J33(2)
50	30	0.0018	PP/J33	5.0	3.0	5.7	2220	20	F125PP182(1)050(2)	SMC5.7182(1)50J33(2)
50	30	0.0022	PP/J33	5.0	3.0	5.7	2220	20	F125PP222(1)050(2)	SMC5.7222(1)50J33(2)
50	30	0.0027	PP/J33	5.0	3.0	5.7	2220	20	F125PP272(1)050(2)	SMC5.7272(1)50J33(2)
50	30	0.0033	PP/J33	5.0	3.0	5.7	2220	20	F125PP332(1)050(2)	SMC5.7332(1)50J33(2)
50	30	0.0039	PP/J33	5.0	3.0	5.7	2220	20	F125PP392(1)050(2)	SMC5.7392(1)50J33(2)
50	30	0.0047	PP/J33	5.0	3.0	5.7	2220	20	F125PP472(1)050(2)	SMC5.7472(1)50J33(2)
50	30	0.0056	PP/J33	5.0	3.0	5.7	2220	20	F125PP562(1)050(2)	SMC5.7562(1)50J33(2)
50	30	0.0068	PP/J33	5.0	3.0	5.7	2220	20	F125PP682(1)050(2)	SMC5.7682(1)50J33(2)
50	30	0.0082	PP/J33	5.0	3.0	5.7	2220	20	F125PP822(1)050(2)	SMC5.7822(1)50J33(2)
50	30	0.010	PP/J33	5.0	3.0	5.7	2220	20	F125PP103(1)050(2)	SMC5.7103(1)50J33(2)
50	30	0.012	PP/J33	5.0	3.0	5.7	2220	20	F125PP123(1)050(2)	SMC5.7123(1)50J33(2)
50	30	0.015	PP/J33	5.0	3.0	5.7	2220	15	F125PP153(1)050(2)	SMC5.7153(1)50J33(2)
50	30	0.018	PP/J33	5.0	3.0	5.7	2220	15	F125PP183(1)050(2)	SMC5.7183(1)50J33(2)
50	30	0.022	PP/J33	5.0	3.0	5.7	2220	15	F125PP223(1)050(2)	SMC5.7223(1)50J33(2)
50	30	0.027	PP/J33	5.0	3.0	5.7	2220	15	F125PP273(1)050(2)	SMC5.7273(1)50J33(2)
50	30	0.033	PP/J33	5.0	3.0	5.7	2220	15	F125PP333(1)050(2)	SMC5.7333(1)50J33(2)
50	30	0.039	PP/J33	5.0	3.0	5.7	2220	6	F125PP393(1)050(2)	SMC5.7393(1)50J33(2)
50	30	0.047	PP/J33	5.0	3.0	5.7	2220	6	F125PP473(1)050(2)	SMC5.7473(1)50J33(2)
50	30	0.056	PU/J35	5.0	4.0	5.7	2220	6	F125PU563(1)050(2)	SMC5.7563(1)50J35(2)
50	30	0.068	PU/J35	5.0	4.0	5.7	2220	6	F125PU683(1)050(2)	SMC5.7683(1)50J35(2)
50	30	0.082	PU/J35	5.0	4.0	5.7	2220	6	F125PU823(1)050(2)	SMC5.7823(1)50J35(2)
50	30	0.10	PU/J35	5.0	4.0	5.7	2220	6	F125PU104(1)050(2)	SMC5.7104(1)50J35(2)
50	30	0.0010	SL/K33	6.0	3.0	7.3	2824	20	F125SL102(1)050(2)	SMC7.3102(1)50K33(2)
50	30	0.0012	SL/K33	6.0	3.0	7.3	2824	20	F125SL122(1)050(2)	SMC7.3122(1)50K33(2)
50	30	0.0015	SL/K33	6.0	3.0	7.3	2824	20	F125SL152(1)050(2)	SMC7.3152(1)50K33(2)
50	30	0.0018	SL/K33	6.0	3.0	7.3	2824	20	F125SL182(1)050(2)	SMC7.3182(1)50K33(2)
50	30	0.0022	SL/K33	6.0	3.0	7.3	2824	20	F125SL222(1)050(2)	SMC7.3222(1)50K33(2)
50	30	0.0027	SL/K33	6.0	3.0	7.3	2824	20	F125SL272(1)050(2)	SMC7.3272(1)50K33(2)
50	30	0.0033	SL/K33	6.0	3.0	7.3	2824	20	F125SL332(1)050(2)	SMC7.3332(1)50K33(2)
50	30	0.0039	SL/K33	6.0	3.0	7.3	2824	20	F125SL392(1)050(2)	SMC7.3392(1)50K33(2)
50	30	0.0047	SL/K33	6.0	3.0	7.3	2824	20	F125SL472(1)050(2)	SMC7.3472(1)50K33(2)
50	30	0.0056	SL/K33	6.0	3.0	7.3	2824	20	F125SL562(1)050(2)	SMC7.3562(1)50K33(2)
50	30	0.0068	SL/K33	6.0	3.0	7.3	2824	20	F125SL682(1)050(2)	SMC7.3682(1)50K33(2)
50	30	0.0082	SL/K33	6.0	3.0	7.3	2824	20	F125SL822(1)050(2)	SMC7.3822(1)50K33(2)
50	30	0.010	SL/K33	6.0	3.0	7.3	2824	20	F125SL103(1)050(2)	SMC7.3103(1)50K33(2)
50	30	0.012	SL/K33	6.0	3.0	7.3	2824	20	F125SL123(1)050(2)	SMC7.3123(1)50K33(2)
50	30	0.015	SL/K33	6.0	3.0	7.3	2824	20	F125SL153(1)050(2)	SMC7.3153(1)50K33(2)
50	30	0.018	SL/K33	6.0	3.0	7.3	2824	20	F125SL183(1)050(2)	SMC7.3183(1)50K33(2)
50	30	0.022	SL/K33	6.0	3.0	7.3	2824	20	F125SL223(1)050(2)	SMC7.3223(1)50K33(2)
50	30	0.027	SL/K33	6.0	3.0	7.3	2824	20	F125SL273(1)050(2)	SMC7.3273(1)50K33(2)
50	30	0.033	SL/K33	6.0	3.0	7.3	2824	15	F125SL333(1)050(2)	SMC7.3333(1)50K33(2)
50	30	0.039	SL/K33	6.0	3.0	7.3	2824	15	F125SL393(1)050(2)	SMC7.3393(1)50K33(2)
50	30	0.047	SL/K33	6.0	3.0	7.3	2824	15	F125SL473(1)050(2)	SMC7.3473(1)50K33(2)
50	30	0.056	SL/K33	6.0	3.0	7.3	2824	15	F125SL563(1)050(2)	SMC7.3563(1)50K33(2)
50	30	0.068	SL/K33	6.0	3.0	7.3	2824	15	F125SL683(1)050(2)	SMC7.3683(1)50K33(2)
50	30	0.082	SL/K33	6.0	3.0	7.3	2824	6	F125SL823(1)050(2)	SMC7.3823(1)50K33(2)
50	30	0.10	SL/K33	6.0	3.0	7.3	2824	6	F125SL104(1)050(2)	SMC7.3104(1)50K33(2)
50	30	0.12	SP/K35	6.0	3.5	7.3	2824	6	F125SP124(1)050(2)	SMC7.3124(1)50K35(2)
50	30	0.15	SP/K35	6.0	3.5	7.3	2824	6	F125SP154(1)050(2)	SMC7.3154(1)50K35(2)
VDC	**VAC**	**Capacitance Value (µF)**	**Size Code (New/Legacy)**	**B (mm)**	**H (mm)**	**L (mm)**	**Chip Size**	**dV/dt (V/µs)**	**New KEMET Part Number**	**Legacy Part Number**

(1) G = ±2%, R = ±2.5% (Legacy code = H), J = ±5%.

(2) Insert ordering code for lead type and packaging. See Ordering Options Table for available options.

Table 1 – Ratings & Part Number Reference cont.

VDC	VAC	Capacitance Value (µF)	Size Code (New/ Legacy)	Dimensions in mm			Chip Size	dV/dt (V/µs)	New KEMET Part Number	Legacy Part Number
				B	H	L				
50	30	0.18	SP/K35	6.0	3.5	7.3	2824	6	F125SP184(1)050(2)	SMC7.3184(1)50K35(2)
50	30	0.22	ST/K37	6.0	4.5	7.3	2824	6	F125ST224(1)050(2)	SMC7.3224(1)50K37(2)
50	30	0.010	WP/A31	9.1	5.5	10.2	4036	4	F125WP103(1)050(2)	SMC10.2103(1)50A31(2)
50	30	0.012	WP/A31	9.1	5.5	10.2	4036	4	F125WP123(1)050(2)	SMC10.2123(1)50A31(2)
50	30	0.015	WP/A31	9.1	5.5	10.2	4036	4	F125WP153(1)050(2)	SMC10.2153(1)50A31(2)
50	30	0.018	WP/A31	9.1	5.5	10.2	4036	4	F125WP183(1)050(2)	SMC10.2183(1)50A31(2)
50	30	0.022	WP/A31	9.1	5.5	10.2	4036	4	F125WP223(1)050(2)	SMC10.2223(1)50A31(2)
50	30	0.027	WP/A31	9.1	5.5	10.2	4036	4	F125WP273(1)050(2)	SMC10.2273(1)50A31(2)
50	30	0.033	WP/A31	9.1	5.5	10.2	4036	4	F125WP333(1)050(2)	SMC10.2333(1)50A31(2)
50	30	0.039	WP/A31	9.1	5.5	10.2	4036	4	F125WP393(1)050(2)	SMC10.2393(1)50A31(2)
50	30	0.047	WP/A31	9.1	5.5	10.2	4036	4	F125WP473(1)050(2)	SMC10.2473(1)50A31(2)
50	30	0.056	WP/A31	9.1	5.5	10.2	4036	4	F125WP563(1)050(2)	SMC10.2563(1)50A31(2)
50	30	0.068	WP/A31	9.1	5.5	10.2	4036	4	F125WP683(1)050(2)	SMC10.2683(1)50A31(2)
50	30	0.082	WP/A31	9.1	5.5	10.2	4036	4	F125WP823(1)050(2)	SMC10.2823(1)50A31(2)
50	30	0.10	WP/A31	9.1	5.5	10.2	4036	4	F125WP104(1)050(2)	SMC10.2104(1)50A31(2)
50	30	0.12	WP/A31	9.1	5.5	10.2	4036	4	F125WP124(1)050(2)	SMC10.2124(1)50A31(2)
50	30	0.15	WP/A31	9.1	5.5	10.2	4036	4	F125WP154(1)050(2)	SMC10.2154(1)50A31(2)
50	30	0.18	WP/A31	9.1	5.5	10.2	4036	4	F125WP184(1)050(2)	SMC10.2184(1)50A31(2)
50	30	0.22	WP/A31	9.1	5.5	10.2	4036	4	F125WP224(1)050(2)	SMC10.2224(1)50A31(2)
50	30	0.27	WP/A31	9.1	5.5	10.2	4036	4	F125WP274(1)050(2)	SMC10.2274(1)50A31(2)
50	30	0.33	WP/A31	9.1	5.5	10.2	4036	4	F125WP334(1)050(2)	SMC10.2334(1)50A31(2)
50	30	0.39	WP/A31	9.1	5.5	10.2	4036	4	F125WP394(1)050(2)	SMC10.2394(1)50A31(2)
50	30	0.47	WP/A31	9.1	5.5	10.2	4036	4	F125WP474(1)050(2)	SMC10.2474(1)50A31(2)
50	30	0.56	WP/A31	9.1	5.5	10.2	4036	4	F125WP564(1)050(2)	SMC10.2564(1)50A31(2)
50	30	0.68	WP/A31	9.1	5.5	10.2	4036	4	F125WP684(1)050(2)	SMC10.2684(1)50A31(2)
50	30	0.82	WP/A31	9.1	5.5	10.2	4036	4	F125WP824(1)050(2)	SMC10.2824(1)50A31(2)
50	30	1.0	YR/B31	11.5	6.5	12.7	5045	3	F125YR105(1)050(2)	SMC12.7105(1)50B31(2)
50	30	1.2	YR/B31	11.5	6.5	12.7	5045	3	F125YR125(1)050(2)	SMC12.7125(1)50B31(2)
50	30	1.5	YR/B31	11.5	6.5	12.7	5045	3	F125YR155(1)050(2)	SMC12.7155(1)50B31(2)
50	30	1.8	ZS/C31	15.0	7.0	16.5	6560	2	F125ZS185(1)050(2)	SMC16.5185(1)50C31(2)
50	30	2.2	ZS/C31	15.0	7.0	16.5	6560	2	F125ZS225(1)050(2)	SMC16.5225(1)50C31(2)
50	30	2.7	ZS/C31	15.0	7.0	16.5	6560	2	F125ZS275(1)050(2)	SMC16.5275(1)50C31(2)
50	30	3.3	ZS/C31	15.0	7.0	16.5	6560	2	F125ZS335(1)050(2)	SMC16.5335(1)50C31(2)
100	63	0.0010	PP/J33	5.0	3.0	5.7	2220	20	F125PP102(1)100(2)	SMC5.7102(1)100J33(2)
100	63	0.0012	PP/J33	5.0	3.0	5.7	2220	20	F125PP122(1)100(2)	SMC5.7122(1)100J33(2)
100	63	0.0015	PP/J33	5.0	3.0	5.7	2220	20	F125PP152(1)100(2)	SMC5.7152(1)100J33(2)
100	63	0.0018	PP/J33	5.0	3.0	5.7	2220	20	F125PP182(1)100(2)	SMC5.7182(1)100J33(2)
100	63	0.0022	PP/J33	5.0	3.0	5.7	2220	20	F125PP222(1)100(2)	SMC5.7222(1)100J33(2)
100	63	0.0027	PP/J33	5.0	3.0	5.7	2220	20	F125PP272(1)100(2)	SMC5.7272(1)100J33(2)
100	63	0.0033	PP/J33	5.0	3.0	5.7	2220	20	F125PP332(1)100(2)	SMC5.7332(1)100J33(2)
100	63	0.0039	PP/J33	5.0	3.0	5.7	2220	20	F125PP392(1)100(2)	SMC5.7392(1)100J33(2)
100	63	0.0047	PP/J33	5.0	3.0	5.7	2220	20	F125PP472(1)100(2)	SMC5.7472(1)100J33(2)
100	63	0.0056	PP/J33	5.0	3.0	5.7	2220	20	F125PP562(1)100(2)	SMC5.7562(1)100J33(2)
100	63	0.0068	PP/J33	5.0	3.0	5.7	2220	20	F125PP682(1)100(2)	SMC5.7682(1)100J33(2)
100	63	0.0082	PP/J33	5.0	3.0	5.7	2220	20	F125PP822(1)100(2)	SMC5.7822(1)100J33(2)
100	63	0.010	PP/J33	5.0	3.0	5.7	2220	20	F125PP103(1)100(2)	SMC5.7103(1)100J33(2)
100	63	0.012	PP/J33	5.0	3.0	5.7	2220	20	F125PP123(1)100(2)	SMC5.7123(1)100J33(2)
100	63	0.015	PP/J33	5.0	3.0	5.7	2220	15	F125PP153(1)100(2)	SMC5.7153(1)100J33(2)
100	63	0.018	PP/J33	5.0	3.0	5.7	2220	15	F125PP183(1)100(2)	SMC5.7183(1)100J33(2)
100	63	0.022	PP/J33	5.0	3.0	5.7	2220	15	F125PP223(1)100(2)	SMC5.7223(1)100J33(2)
100	63	0.027	PU/J35	5.0	4.0	5.7	2220	15	F125PU273(1)100(2)	SMC5.7273(1)100J35(2)
100	63	0.033	PU/J35	5.0	4.0	5.7	2220	15	F125PU333(1)100(2)	SMC5.7333(1)100J35(2)
VDC	**VAC**	**Capacitance Value (µF)**	**Size Code (New/Legacy)**	**B (mm)**	**H (mm)**	**L (mm)**	**Chip Size**	**dV/dt (V/µs)**	**New KEMET Part Number**	**Legacy Part Number**

(1) G = ±2%, R = ±2.5% (Legacy code = H), J = ±5%.
(2) Insert ordering code for lead type and packaging. See Ordering Options Table for available options.

Table 1 – Ratings & Part Number Reference cont.

VDC	VAC	Capacitance Value (µF)	Size Code (New/ Legacy)	Dimensions in mm			Chip Size	dV/dt (V/µs)	New KEMET Part Number	Legacy Part Number
				B	H	L				
100	63	0.0010	SL/K33	6.0	3.0	7.3	2824	20	F125SL102(1)100(2)	SMC7.3102(1)100K33(2)
100	63	0.0012	SL/K33	6.0	3.0	7.3	2824	20	F125SL122(1)100(2)	SMC7.3122(1)100K33(2)
100	63	0.0015	SL/K33	6.0	3.0	7.3	2824	20	F125SL152(1)100(2)	SMC7.3152(1)100K33(2)
100	63	0.0018	SL/K33	6.0	3.0	7.3	2824	20	F125SL182(1)100(2)	SMC7.3182(1)100K33(2)
100	63	0.0022	SL/K33	6.0	3.0	7.3	2824	20	F125SL222(1)100(2)	SMC7.3222(1)100K33(2)
100	63	0.0027	SL/K33	6.0	3.0	7.3	2824	20	F125SL272(1)100(2)	SMC7.3272(1)100K33(2)
100	63	0.0033	SL/K33	6.0	3.0	7.3	2824	20	F125SL332(1)100(2)	SMC7.3332(1)100K33(2)
100	63	0.0039	SL/K33	6.0	3.0	7.3	2824	20	F125SL392(1)100(2)	SMC7.3392(1)100K33(2)
100	63	0.0047	SL/K33	6.0	3.0	7.3	2824	20	F125SL472(1)100(2)	SMC7.3472(1)100K33(2)
100	63	0.0056	SL/K33	6.0	3.0	7.3	2824	20	F125SL562(1)100(2)	SMC7.3562(1)100K33(2)
100	63	0.0068	SL/K33	6.0	3.0	7.3	2824	20	F125SL682(1)100(2)	SMC7.3682(1)100K33(2)
100	63	0.0082	SL/K33	6.0	3.0	7.3	2824	20	F125SL822(1)100(2)	SMC7.3822(1)100K33(2)
100	63	0.010	SL/K33	6.0	3.0	7.3	2824	20	F125SL103(1)100(2)	SMC7.3103(1)100K33(2)
100	63	0.012	SL/K33	6.0	3.0	7.3	2824	20	F125SL123(1)100(2)	SMC7.3123(1)100K33(2)
100	63	0.015	SL/K33	6.0	3.0	7.3	2824	20	F125SL153(1)100(2)	SMC7.3153(1)100K33(2)
100	63	0.018	SL/K33	6.0	3.0	7.3	2824	20	F125SL183(1)100(2)	SMC7.3183(1)100K33(2)
100	63	0.022	SL/K33	6.0	3.0	7.3	2824	20	F125SL223(1)100(2)	SMC7.3223(1)100K33(2)
100	63	0.027	SL/K33	6.0	3.0	7.3	2824	15	F125SL273(1)100(2)	SMC7.3273(1)100K33(2)
100	63	0.033	SL/K33	6.0	3.0	7.3	2824	15	F125SL333(1)100(2)	SMC7.3333(1)100K33(2)
100	63	0.039	SP/K35	6.0	3.5	7.3	2824	15	F125SP393(1)100(2)	SMC7.3393(1)100K35(2)
100	63	0.047	SP/K35	6.0	3.5	7.3	2824	15	F125SP473(1)100(2)	SMC7.3473(1)100K35(2)
100	63	0.056	ST/K37	6.0	4.5	7.3	2824	15	F125ST563(1)100(2)	SMC7.3563(1)100K37(2)
100	63	0.068	ST/K37	6.0	4.5	7.3	2824	15	F125ST683(1)100(2)	SMC7.3683(1)100K37(2)
100	63	0.010	WP/A31	9.1	5.5	10.2	4036	6	F125WP103(1)100(2)	SMC10.2103(1)100A31(2)
100	63	0.012	WP/A31	9.1	5.5	10.2	4036	6	F125WP123(1)100(2)	SMC10.2123(1)100A31(2)
100	63	0.015	WP/A31	9.1	5.5	10.2	4036	6	F125WP153(1)100(2)	SMC10.2153(1)100A31(2)
100	63	0.018	WP/A31	9.1	5.5	10.2	4036	6	F125WP183(1)100(2)	SMC10.2183(1)100A31(2)
100	63	0.022	WP/A31	9.1	5.5	10.2	4036	6	F125WP223(1)100(2)	SMC10.2223(1)100A31(2)
100	63	0.027	WP/A31	9.1	5.5	10.2	4036	6	F125WP273(1)100(2)	SMC10.2273(1)100A31(2)
100	63	0.033	WP/A31	9.1	5.5	10.2	4036	6	F125WP333(1)100(2)	SMC10.2333(1)100A31(2)
100	63	0.039	WP/A31	9.1	5.5	10.2	4036	6	F125WP393(1)100(2)	SMC10.2393(1)100A31(2)
100	63	0.047	WP/A31	9.1	5.5	10.2	4036	6	F125WP473(1)100(2)	SMC10.2473(1)100A31(2)
100	63	0.056	WP/A31	9.1	5.5	10.2	4036	6	F125WP563(1)100(2)	SMC10.2563(1)100A31(2)
100	63	0.068	WP/A31	9.1	5.5	10.2	4036	6	F125WP683(1)100(2)	SMC10.2683(1)100A31(2)
100	63	0.082	WP/A31	9.1	5.5	10.2	4036	6	F125WP823(1)100(2)	SMC10.2823(1)100A31(2)
100	63	0.10	WP/A31	9.1	5.5	10.2	4036	6	F125WP104(1)100(2)	SMC10.2104(1)100A31(2)
100	63	0.12	WP/A31	9.1	5.5	10.2	4036	6	F125WP124(1)100(2)	SMC10.2124(1)100A31(2)
100	63	0.15	WP/A31	9.1	5.5	10.2	4036	6	F125WP154(1)100(2)	SMC10.2154(1)100A31(2)
100	63	0.18	WP/A31	9.1	5.5	10.2	4036	6	F125WP184(1)100(2)	SMC10.2184(1)100A31(2)
100	63	0.22	WP/A31	9.1	5.5	10.2	4036	6	F125WP224(1)100(2)	SMC10.2224(1)100A31(2)
100	63	0.27	WP/A31	9.1	5.5	10.2	4036	6	F125WP274(1)100(2)	SMC10.2274(1)100A31(2)
100	63	0.33	YR/B31	11.5	6.5	12.7	5045	5	F125YR334(1)100(2)	SMC12.7334(1)100B31(2)
100	63	0.39	YR/B31	11.5	6.5	12.7	5045	5	F125YR394(1)100(2)	SMC12.7394(1)100B31(2)
100	63	0.47	YR/B31	11.5	6.5	12.7	5045	5	F125YR474(1)100(2)	SMC12.7474(1)100B31(2)
100	63	0.56	YR/B31	11.5	6.5	12.7	5045	5	F125YR564(1)100(2)	SMC12.7564(1)100B31(2)
100	63	0.68	ZS/C31	15.0	7.0	16.5	6560	3	F125ZS684(1)100(2)	SMC16.5684(1)100C31(2)
100	63	0.82	ZS/C31	15.0	7.0	16.5	6560	3	F125ZS824(1)100(2)	SMC16.5824(1)100C31(2)
100	63	1.0	ZS/C31	15.0	7.0	16.5	6560	3	F125ZS105(1)100(2)	SMC16.5105(1)100C31(2)
100	63	1.2	ZS/C31	15.0	7.0	16.5	6560	3	F125ZS125(1)100(2)	SMC16.5125(1)100C31(2)
100	63	1.5	ZS/C31	15.0	7.0	16.5	6560	3	F125ZS155(1)100(2)	SMC16.5155(1)100C31(2)
250	160	0.0010	PP/J33	5.0	3.0	5.7	2220	20	F125PP102(1)250(2)	SMC5.7102(1)250J33(2)
250	160	0.0012	PP/J33	5.0	3.0	5.7	2220	20	F125PP122(1)250(2)	SMC5.7122(1)250J33(2)
VDC	**VAC**	**Capacitance Value (µF)**	**Size Code (New/Legacy)**	**B (mm)**	**H (mm)**	**L (mm)**	**Chip Size**	**dV/dt (V/µs)**	**New KEMET Part Number**	**Legacy Part Number**

(1) G = ±2%, R = ±2.5% (Legacy code = H), J = ±5%.
(2) Insert ordering code for lead type and packaging. See Ordering Options Table for available options.

Table 1 – Ratings & Part Number Reference cont.

VDC	VAC	Capacitance Value (µF)	Size Code (New/ Legacy)	Dimensions in mm			Chip Size	dV/dt (V/µs)	New KEMET Part Number	Legacy Part Number
				B	H	L				
250	160	0.0015	PP/J33	5.0	3.0	5.7	2220	20	F125PP152(1)250(2)	SMC5.7152(1)250J33(2)
250	160	0.0018	PP/J33	5.0	3.0	5.7	2220	20	F125PP182(1)250(2)	SMC5.7182(1)250J33(2)
250	160	0.0022	PP/J33	5.0	3.0	5.7	2220	20	F125PP222(1)250(2)	SMC5.7222(1)250J33(2)
250	160	0.0027	PP/J33	5.0	3.0	5.7	2220	20	F125PP272(1)250(2)	SMC5.7272(1)250J33(2)
250	160	0.0033	PP/J33	5.0	3.0	5.7	2220	20	F125PP332(1)250(2)	SMC5.7332(1)250J33(2)
250	160	0.0039	PP/J33	5.0	3.0	5.7	2220	20	F125PP392(1)250(2)	SMC5.7392(1)250J33(2)
250	160	0.0047	PP/J33	5.0	3.0	5.7	2220	20	F125PP472(1)250(2)	SMC5.7472(1)250J33(2)
250	160	0.0056	PP/J33	5.0	3.0	5.7	2220	20	F125PP562(1)250(2)	SMC5.7562(1)250J33(2)
250	160	0.0068	PP/J33	5.0	3.0	5.7	2220	20	F125PP682(1)250(2)	SMC5.7682(1)250J33(2)
250	160	0.0082	PU/J35	5.0	4.0	5.7	2220	20	F125PU822(1)250(2)	SMC5.7822(1)250J35(2)
250	160	0.010	PU/J35	5.0	4.0	5.7	2220	20	F125PU103(1)250(2)	SMC5.7103(1)250J35(2)
250	160	0.0010	SL/K33	6.0	3.0	7.3	2824	20	F125SL102(1)250(2)	SMC7.3102(1)250K33(2)
250	160	0.0012	SL/K33	6.0	3.0	7.3	2824	20	F125SL122(1)250(2)	SMC7.3122(1)250K33(2)
250	160	0.0015	SL/K33	6.0	3.0	7.3	2824	20	F125SL152(1)250(2)	SMC7.3152(1)250K33(2)
250	160	0.0018	SL/K33	6.0	3.0	7.3	2824	20	F125SL182(1)250(2)	SMC7.3182(1)250K33(2)
250	160	0.0022	SL/K33	6.0	3.0	7.3	2824	20	F125SL222(1)250(2)	SMC7.3222(1)250K33(2)
250	160	0.0027	SL/K33	6.0	3.0	7.3	2824	20	F125SL272(1)250(2)	SMC7.3272(1)250K33(2)
250	160	0.0033	SL/K33	6.0	3.0	7.3	2824	20	F125SL332(1)250(2)	SMC7.3332(1)250K33(2)
250	160	0.0039	SL/K33	6.0	3.0	7.3	2824	20	F125SL392(1)250(2)	SMC7.3392(1)250K33(2)
250	160	0.0047	SL/K33	6.0	3.0	7.3	2824	20	F125SL472(1)250(2)	SMC7.3472(1)250K33(2)
250	160	0.0056	SL/K33	6.0	3.0	7.3	2824	20	F125SL562(1)250(2)	SMC7.3562(1)250K33(2)
250	160	0.0068	SL/K33	6.0	3.0	7.3	2824	20	F125SL682(1)250(2)	SMC7.3682(1)250K33(2)
250	160	0.0082	SL/K33	6.0	3.0	7.3	2824	20	F125SL822(1)250(2)	SMC7.3822(1)250K33(2)
250	160	0.010	SL/K33	6.0	3.0	7.3	2824	20	F125SL103(1)250(2)	SMC7.3103(1)250K33(2)
250	160	0.012	SL/K33	6.0	3.0	7.3	2824	20	F125SL123(1)250(2)	SMC7.3123(1)250K33(2)
250	160	0.015	SL/K33	6.0	3.0	7.3	2824	20	F125SL153(1)250(2)	SMC7.3153(1)250K33(2)
250	160	0.018	SP/K35	6.0	3.5	7.3	2824	20	F125SP183(1)250(2)	SMC7.3183(1)250K35(2)
250	160	0.022	SP/K35	6.0	3.5	7.3	2824	20	F125SP223(1)250(2)	SMC7.3223(1)250K35(2)
250	160	0.010	WP/A31	9.1	5.5	10.2	4036	10	F125WP103(1)250(2)	SMC10.2103(1)250A31(2)
250	160	0.012	WP/A31	9.1	5.5	10.2	4036	10	F125WP123(1)250(2)	SMC10.2123(1)250A31(2)
250	160	0.015	WP/A31	9.1	5.5	10.2	4036	10	F125WP153(1)250(2)	SMC10.2153(1)250A31(2)
250	160	0.018	WP/A31	9.1	5.5	10.2	4036	10	F125WP183(1)250(2)	SMC10.2183(1)250A31(2)
250	160	0.022	WP/A31	9.1	5.5	10.2	4036	10	F125WP223(1)250(2)	SMC10.2223(1)250A31(2)
250	160	0.027	WP/A31	9.1	5.5	10.2	4036	10	F125WP273(1)250(2)	SMC10.2273(1)250A31(2)
250	160	0.033	WP/A31	9.1	5.5	10.2	4036	10	F125WP333(1)250(2)	SMC10.2333(1)250A31(2)
250	160	0.039	WP/A31	9.1	5.5	10.2	4036	10	F125WP393(1)250(2)	SMC10.2393(1)250A31(2)
250	160	0.047	WP/A31	9.1	5.5	10.2	4036	10	F125WP473(1)250(2)	SMC10.2473(1)250A31(2)
250	160	0.056	WP/A31	9.1	5.5	10.2	4036	10	F125WP563(1)250(2)	SMC10.2563(1)250A31(2)
250	160	0.068	WP/A31	9.1	5.5	10.2	4036	10	F125WP683(1)250(2)	SMC10.2683(1)250A31(2)
250	160	0.082	WP/A31	9.1	5.5	10.2	4036	10	F125WP823(1)250(2)	SMC10.2823(1)250A31(2)
250	160	0.10	WP/A31	9.1	5.5	10.2	4036	10	F125WP104(1)250(2)	SMC10.2104(1)250A31(2)
250	160	0.12	YR/B31	11.5	6.5	12.7	5045	8	F125YR124(1)250(2)	SMC12.7124(1)250B31(2)
250	160	0.15	YR/B31	11.5	6.5	12.7	5045	8	F125YR154(1)250(2)	SMC12.7154(1)250B31(2)
250	160	0.18	YR/B31	11.5	6.5	12.7	5045	8	F125YR184(1)250(2)	SMC12.7184(1)250B31(2)
250	160	0.22	ZS/C31	15.0	7.0	16.5	6560	5	F125ZS224(1)250(2)	SMC16.5224(1)250C31(2)
250	160	0.27	ZS/C31	15.0	7.0	16.5	6560	5	F125ZS274(1)250(2)	SMC16.5274(1)250C31(2)
250	160	0.33	ZS/C31	15.0	7.0	16.5	6560	5	F125ZS334(1)250(2)	SMC16.5334(1)250C31(2)
250	160	0.39	ZS/C31	15.0	7.0	16.5	6560	5	F125ZS394(1)250(2)	SMC16.5394(1)250C31(2)
250	160	0.47	ZS/C31	15.0	7.0	16.5	6560	5	F125ZS474(1)250(2)	SMC16.5474(1)250C31(2)
400	200	0.0010	PP/J33	5.0	3.0	5.7	2220	40	F125PP102(1)400(2)	SMC5.7102(1)400J33(2)
400	200	0.0012	PP/J33	5.0	3.0	5.7	2220	40	F125PP122(1)400(2)	SMC5.7122(1)400J33(2)
400	200	0.0015	PP/J33	5.0	3.0	5.7	2220	40	F125PP152(1)400(2)	SMC5.7152(1)400J33(2)
VDC	**VAC**	**Capacitance Value (µF)**	**Size Code (New/Legacy)**	**B (mm)**	**H (mm)**	**L (mm)**	**Chip Size**	**dV/dt (V/µs)**	**New KEMET Part Number**	**Legacy Part Number**

(1) G = ±2%, R = ±2.5% (Legacy code = H), J = ±5%.
(2) Insert ordering code for lead type and packaging. See Ordering Options Table for available options.

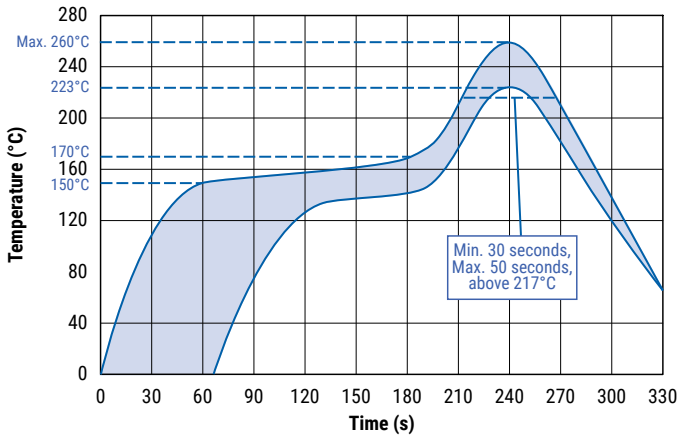
Table 1 – Ratings & Part Number Reference cont.

VDC	VAC	Capacitance Value (µF)	Size Code (New/ Legacy)	Dimensions in mm			Chip Size	dV/dt (V/µs)	New KEMET Part Number	Legacy Part Number
				B	H	L				
400	200	0.0018	PP/J33	5.0	3.0	5.7	2220	40	F125PP182(1)400(2)	SMC5.7182(1)400J33(2)
400	200	0.0022	PP/J33	5.0	3.0	5.7	2220	40	F125PP222(1)400(2)	SMC5.7222(1)400J33(2)
400	200	0.0027	PU/J35	5.0	4.0	5.7	2220	40	F125PU272(1)400(2)	SMC5.7272(1)400J35(2)
400	200	0.0033	PU/J35	5.0	4.0	5.7	2220	40	F125PU332(1)400(2)	SMC5.7332(1)400J35(2)
400	200	0.0010	SL/K33	6.0	3.0	7.3	2824	25	F125SL102(1)400(2)	SMC7.3102(1)400K33(2)
400	200	0.0012	SL/K33	6.0	3.0	7.3	2824	25	F125SL122(1)400(2)	SMC7.3122(1)400K33(2)
400	200	0.0015	SL/K33	6.0	3.0	7.3	2824	25	F125SL152(1)400(2)	SMC7.3152(1)400K33(2)
400	200	0.0018	SL/K33	6.0	3.0	7.3	2824	25	F125SL182(1)400(2)	SMC7.3182(1)400K33(2)
400	200	0.0022	SL/K33	6.0	3.0	7.3	2824	25	F125SL222(1)400(2)	SMC7.3222(1)400K33(2)
400	200	0.0027	SL/K33	6.0	3.0	7.3	2824	25	F125SL272(1)400(2)	SMC7.3272(1)400K33(2)
400	200	0.0033	SL/K33	6.0	3.0	7.3	2824	25	F125SL332(1)400(2)	SMC7.3332(1)400K33(2)
400	200	0.0039	SL/K33	6.0	3.0	7.3	2824	25	F125SL392(1)400(2)	SMC7.3392(1)400K33(2)
400	200	0.0047	SL/K33	6.0	3.0	7.3	2824	25	F125SL472(1)400(2)	SMC7.3472(1)400K33(2)
400	200	0.0056	SP/K35	6.0	3.5	7.3	2824	25	F125SP562(1)400(2)	SMC7.3562(1)400K35(2)
400	200	0.0068	SP/K35	6.0	3.5	7.3	2824	25	F125SP682(1)400(2)	SMC7.3682(1)400K35(2)
400	200	0.0082	ST/K37	6.0	4.5	7.3	2824	25	F125ST822(1)400(2)	SMC7.3822(1)400K37(2)
400	200	0.010	ST/K37	6.0	4.5	7.3	2824	25	F125ST103(1)400(2)	SMC7.3103(1)400K37(2)
400	200	0.010	WP/A31	9.1	5.5	10.2	4036	15	F125WP103(1)400(2)	SMC10.2103(1)400A31(2)
400	200	0.012	WP/A31	9.1	5.5	10.2	4036	15	F125WP123(1)400(2)	SMC10.2123(1)400A31(2)
400	200	0.015	WP/A31	9.1	5.5	10.2	4036	15	F125WP153(1)400(2)	SMC10.2153(1)400A31(2)
400	200	0.018	WP/A31	9.1	5.5	10.2	4036	15	F125WP183(1)400(2)	SMC10.2183(1)400A31(2)
400	200	0.022	WP/A31	9.1	5.5	10.2	4036	15	F125WP223(1)400(2)	SMC10.2223(1)400A31(2)
400	200	0.027	WP/A31	9.1	5.5	10.2	4036	15	F125WP273(1)400(2)	SMC10.2273(1)400A31(2)
400	200	0.033	WP/A31	9.1	5.5	10.2	4036	15	F125WP333(1)400(2)	SMC10.2333(1)400A31(2)
400	200	0.039	WP/A31	9.1	5.5	10.2	4036	15	F125WP393(1)400(2)	SMC10.2393(1)400A31(2)
400	200	0.047	YR/B31	11.5	6.5	12.7	5045	10	F125YR473(1)400(2)	SMC12.7473(1)400B31(2)
400	200	0.056	YR/B31	11.5	6.5	12.7	5045	10	F125YR563(1)400(2)	SMC12.7563(1)400B31(2)
400	200	0.068	YR/B31	11.5	6.5	12.7	5045	10	F125YR683(1)400(2)	SMC12.7683(1)400B31(2)
400	200	0.082	YR/B31	11.5	6.5	12.7	5045	10	F125YR823(1)400(2)	SMC12.7823(1)400B31(2)
400	200	0.10	ZS/C31	15.0	7.0	16.5	6560	8	F125ZS104(1)400(2)	SMC16.5104(1)400C31(2)
400	200	0.12	ZS/C31	15.0	7.0	16.5	6560	8	F125ZS124(1)400(2)	SMC16.5124(1)400C31(2)
400	200	0.15	ZS/C31	15.0	7.0	16.5	6560	8	F125ZS154(1)400(2)	SMC16.5154(1)400C31(2)
400	200	0.18	ZS/C31	15.0	7.0	16.5	6560	8	F125ZS184(1)400(2)	SMC16.5184(1)400C31(2)
400	200	0.22	ZS/C31	15.0	7.0	16.5	6560	8	F125ZS224(1)400(2)	SMC16.5224(1)400C31(2)
VDC	**VAC**	**Capacitance Value (µF)**	**Size Code (New/Legacy)**	**B (mm)**	**H (mm)**	**L (mm)**	**Chip Size**	**dV/dt (V/µs)**	**New KEMET Part Number**	**Legacy Part Number**

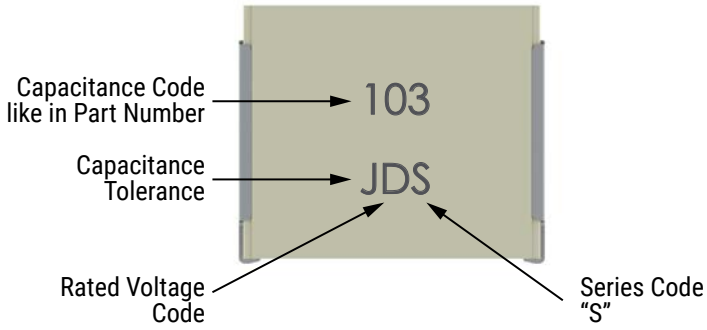
(1) G = ±2%, R = ±2.5% (Legacy code = H), J = ±5%.
(2) Insert ordering code for lead type and packaging. See Ordering Options Table for available options.

Soldering Process

Reflow soldering temperature is measured on the top surface of the component: Preheating temperature should be less than 170°C. The time above 217°C should be less than 50 seconds. The peak temperature must not exceed 260°C.



Marking



Rated Voltage	Code
50 VDC	Z
100 VDC	D
250 VDC	H
400 VDC	K

Flux & Cleaning

KEMET recommends using a no-clean flux with a halogen content lower than 0.1%. To clean the PCB assembly KEMET recommends to use a suitable solvent like Isopropyl alcohol, deionized water, or neutral pH detergents. Aggressive solvents shall not be used. For any different cleaning solvent used please contact KEMET Technical Services to analyze the potential impact on KEMET products.

Storage and Moisture Recommendations

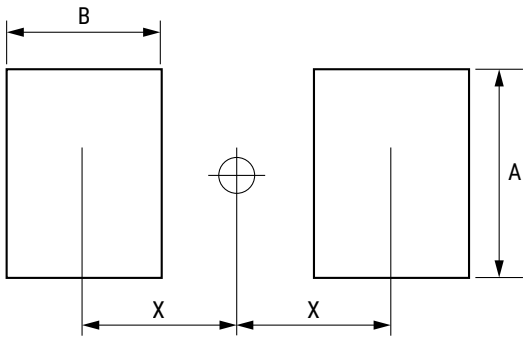
KEMET SMD Film Capacitors are supplied in a MBB (Moisture Barrier Bag) Class 1. We can guarantee a 24 month shelf life (temperature ≤ 40°C/relative humidity ≤ 90%). After the MBB has been opened, components may stay in areas with controlled temperature and humidity (temperature ≤ 30°C/relative humidity ≤ 60%) for 696 hours [MSL 2a]. For longer periods of time and/or higher temperature and/or higher relative humidity values, it is absolutely necessary to protect the components against humidity. If the reel inside the MBB is partially used, KEMET recommends to re-use the same MBB or to avoid areas without controlled temperature and humidity (see above). If the above conditions are not respected, components require a baking (minimum time: 48 hours at 55 ±5°C) before the reflow.

Packaging Quantities

Chip Size (EIA)	Base (mm)	Height (mm)	Length (mm)	Bulk	Reel Horizontal Orientation	Reel Vertical Orientation
2220	5.0	3.0	5.7	2,000	2,400	
2220	5.0	4.0	5.7	2,000	2,100	
2824	6.0	3.0	7.3	2,000	2,500	
2824	6.0	3.5	7.3	2,000	2,300	
2824	6.0	4.5	7.3	1,000	1,700	
4036	9.1	5.5	10.2	1,000	800	500
5045	11.5	6.5	12.7	1,000	600	400
6560	15.0	7.0	16.5	800	500	200

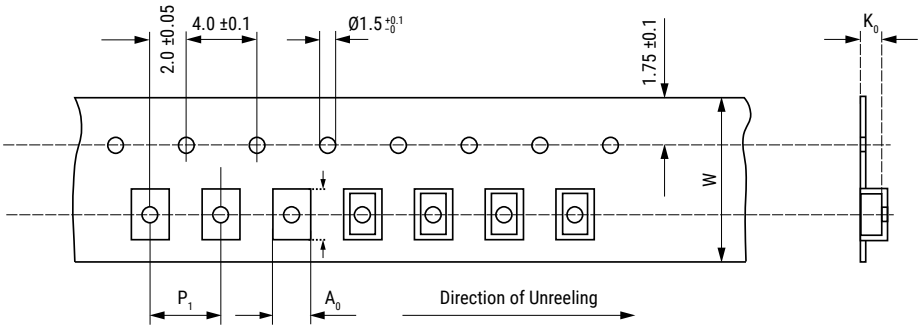
Landing

Mounting	Chip Size	Dimensions in mm		
		A	B	X
Horizontal	2220	5.1	1.5	3.0
	2824	6.1	1.5	3.8
	4036	9.1	2.0	5.5
	5045	11.6	2.5	7.0
	6560	15.0	3.0	9.0
Vertical	4022	5.6	2.0	5.5
	5026	6.6	2.5	7.0
	6528	7.1	3.0	9.0



Carrier Taping & Packaging (IEC 60286–2)

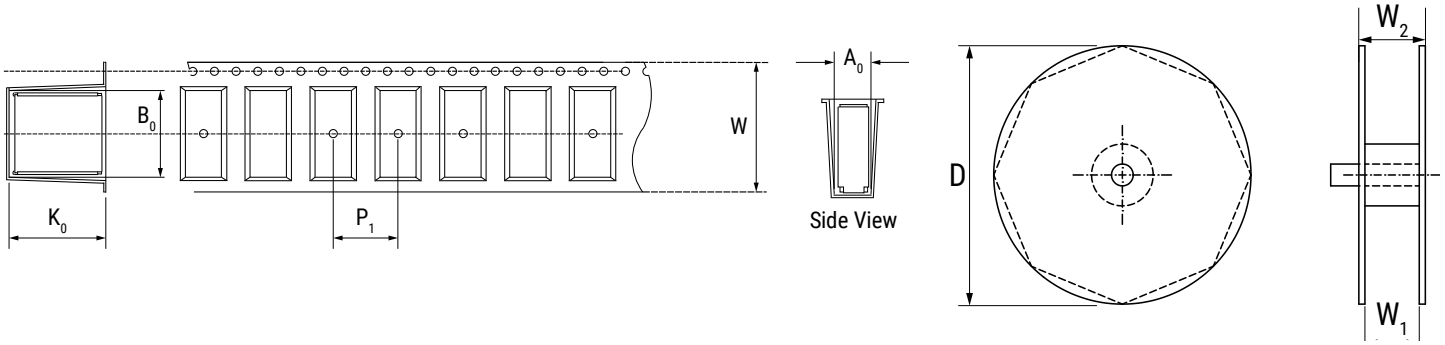
Horizontal Taping Orientation



Chip Size (EIA) Horizontal Mounting	Dimensions in mm			Taping Specification							
	B	H	L	W	P_1	A_0	B_0	K_0	D	W_1	W_2
	Nominal	Nominal	Nominal	−0/+0.3	±0.1	Nominal	Nominal	Nominal	±2.0	−0/+2	Maximum
2220	5.0	3.0	5.7	12.0	8.0	5.5	6.0	3.3	330	12.4	22.0
2220	5.0	4.0	5.7	12.0	8.0	5.5	6.0	4.3	330	12.4	22.0
2824	6.0	3.0	7.3	12.0	8.0	6.5	7.5	3.3	330	12.4	22.0
2824	6.0	3.5	7.3	12.0	8.0	6.5	7.5	3.8	330	12.4	22.0
2824	6.0	4.5	7.3	16.0	8.0	6.6	7.9	5.5	330	16.0	20.0
4036	9.1	5.5	10.2	16.0	16.0	9.5	10.5	5.8	330	16.4	22.0
5045	11.5	6.5	12.7	24.0	16.0	11.9	13.1	6.8	330	24.4	30.0
6560	15.0	7.0	16.5	24.0	20.0	15.4	16.8	7.3	330	24.4	30.0

Carrier Taping & Packaging (IEC 60286–2) cont.

Vertical Taping Orientation



Size Code Vertical Mounting	Dimensions in mm			Taping Specification							
	B	H	L	W	P_1	A_0	B_0	K_0	D	W_1	W_2
	Nominal	Nominal	Nominal	−0/+0.3	±0.1	Nominal	Nominal	Nominal	±2.0	−0/+2	Maximum
4022	5.5	9.1	10.2	24.0	16.0	6.0	10.5	9.3	330	24.4	30.0
5026	6.5	11.5	12.7	24.0	16.0	6.9	13.1	11.8	330	24.4	30.0
6528	7.0	15.0	16.5	44.0	20.0	7.5	17.0	15.3	330	44.5	49.5

Note: Chip dimensions B and H correspond to dimensions H and B in the horizontal mounting table.

KEMET Electronics Corporation Sales Offices

For a complete list of our global sales offices, please visit www.kemet.com/sales.

Disclaimer

All product specifications, statements, information and data (collectively, the "Information") in this datasheet are subject to change. The customer is responsible for checking and verifying the extent to which the Information contained in this publication is applicable to an order at the time the order is placed. All Information given herein is believed to be accurate and reliable, but it is presented without guarantee, warranty, or responsibility of any kind, expressed or implied.

Statements of suitability for certain applications are based on KEMET Electronics Corporation's ("KEMET") knowledge of typical operating conditions for such applications, but are not intended to constitute – and KEMET specifically disclaims – any warranty concerning suitability for a specific customer application or use. The Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by KEMET with reference to the use of KEMET's products is given gratis, and KEMET assumes no obligation or liability for the advice given or results obtained.

Although KEMET designs and manufactures its products to the most stringent quality and safety standards, given the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage.

Although all product–related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicted or that other measures may not be required.

KEMET is a registered trademark of KEMET Electronics Corporation.

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

KEMET:

C0805C475K9RACTU SC-05-503 C0603V102KDRACTU C1206C102KDGACTU SC-10-500 C0603C683K4RACTU C4AQIBU4800M11J C0603C102J1RACAUTO C0805W153KCRACTU PHBC12-1R0A0080V C0805W103KCRACTU L0201C1N0SRMST MPLCH0740L1R5 MPXV1D0830L330 VE0805K121R025 C0805F104K4RACTU MA-2023 T491D107K016AT ALA8AA391DD450 C0603W102KDRACTU C1206C100J1GACTU C1808C102KDRACAUTO CBR06C100JAGAC SC-05-700JH C1206T104K1RACTU MPXV1D0624L3R3 PHBC20-1R7A0097V R82CC4220Z370K SCT29XV-120-1R6A017JV T495C107K016ATE200