General Purpose, Pulse and DC Transient Suppression

R73 Series Polypropylene Film/Foil, Radial

The Capacitance Company
KEMET CHARGED.

Overview

The R73 Series is a capacitor with polypropylene film and metal foil or metallized film and metal foil electrodes. The capacitor is encapsulated in self-extinguishing resin in a box of material meeting the requirements of UL 94 V–0.

Applications

Typical applications include deflection circuits in televisions (flyback tuning), switching spikes suppression in switched mode power supply (SMPS), snubber and silicon-controlled rectifier (SCR) commutation circuits, and switching circuits in electronic ballasts, as well as applications with high voltage and very high current.

Benefits

- Rated voltage: 100 – 2,000 VDC
- Rated voltage: 40 – 250 VAC
- Capacitance range: 0.0001 – 2.2 µF
- Lead spacing: 5 – 37.5 mm
- Capacitance tolerance: ±2.5% (for 2-section construction only), ±5%, ±10%
- Climatic category: 55/105/56, IEC 60068–1
- Tape and reel packaging in accordance with IEC 60286–2
- RoHS Compliant and lead-free terminations
- Category temperature range of -55˚C to +105˚C

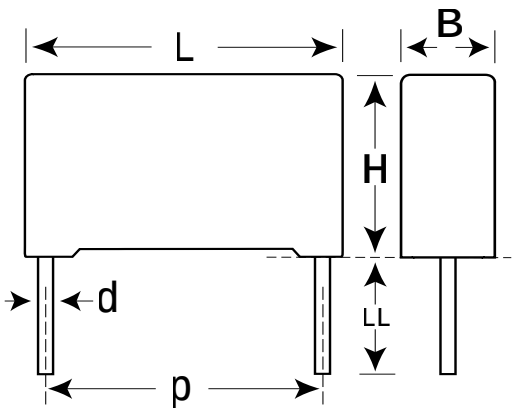
Part Number System

R73	E	I	2470	AA	00	H
Series	Rated Voltage (VDC)	Lead Spacing (mm)	Capacitance Code (pF)	Lead and Packaging Code	Internal Use	Capacitance Tolerance
Polypropylene Film/Foil	E = 100 G = 160 I = 250 M = 400 P = 630 Q = 1000 R = 1250 T = 1600 U = 2000	I = 15.0 N = 22.5 R = 27.5 W = 37.5	Digits 2 – 4 indicate the first three digits of the capacitance value. First digit indicates the number of zeros to be added.	See Ordering Options Table	00, 10, 30, 40 (Standard)	H = ±2.5% (for 2-section construction only) J = ±5% K = ±10%

Ordering Options Table

Lead Spacing Nominal (mm)	Type of Leads and Packaging	Lead Length (mm)	Lead and Packaging Code
15	**Standard Lead and Packaging Options**		
	Bulk (Bag) – Short Leads	4 +2/-0	SE
	Ammo Pack	H_0= 18.5 +/-0.5	DQ
	Other Lead and Packaging Options		
	Bulk (Bag) – Long Leads	25 +2/-1	50
	Bulk (Bag) – Max Length Leads	30 +5/-0	40
	Tape & Reel (Standard Reel)	H_0= 18.5 +/-0.5	GY
	Tape & Reel (Large Reel)	H_0= 18.5 +/-0.5	CK
	Pizza Pack	4 +2/-0	BB
22.5	**Standard Lead and Packaging Options**		
	Bulk (Tray) – Straight Leads	4 +2/-0	SE
	Ammo Pack	H_0= 18.5 +/-0.5	DQ
	Other Lead and Packaging Options		
	Bulk (Tray) – Long Leads	25 +2/-1	50
	Bulk (Tray) – Max Length Leads	30 +5/-0	40
	Tape & Reel (Large Reel)	H_0= 18.5 +/-0.5	CK
	Pizza Pack	4 +2/-0	BB
27.5	**Standard Lead and Packaging Options**		
	Bulk (Tray) – Straight Leads	4 +2/-0	SE
	Other Lead and Packaging Options		
	Bulk (Tray) – Long Leads	25 +2/-1	50
	Bulk (Tray) – Max Length Leads	30 +5/-0	40
	Tape & Reel (Large Reel)	H_0= 18.5 +/-0.5	CK
37.5	**Standard Lead and Packaging Options**		
	Tray– Short Leads	4 +2/-0	0
	Other Lead and Packaging Options		
	Tray– Long Leads	25 +2/-1	50
	Tray– Max Length Leads	30 +5/-0	40

Dimensions – Millimeters



p		B		H		L		d	
Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance
15	+/-0.4	5	+0.2/-0	11	+0.1/-0	18	+0.3/-0	0.8	+/-0.05
15	+/-0.4	6	+0.2/-0	12	+0.1/-0	18	+0.3/-0	0.8	+/-0.05
15	+/-0.4	7.5	+0.2/-0	13.5	+0.1/-0	18	+0.5/-0	0.8	+/-0.05
15	+/-0.4	8.5	+0.2/-0	14.5	+0.1/-0	18	+0.5/-0	0.8	+/-0.05
15	+/-0.4	10	+0.2/-0	16	+0.1/-0	18	+0.5/-0	0.8	+/-0.05
22.5	+/-0.4	6	+0.2/-0	15	+0.1/-0	26.5	+0.3/-0	0.8	+/-0.05
22.5	+/-0.4	7	+0.2/-0	16	+0.1/-0	26.5	+0.3/-0	0.8	+/-0.05
22.5	+/-0.4	8.5	+0.2/-0	17	+0.1/-0	26.5	+0.3/-0	0.8	+/-0.05
22.5	+/-0.4	10	+0.2/-0	18.5	+0.1/-0	26.5	+0.3/-0	0.8	+/-0.05
22.5	+/-0.4	11	+0.2/-0	20	+0.1/-0	26.5	+0.3/-0	0.8	+/-0.05
27.5	+/-0.4	9	+0.2/-0	17	+0.1/-0	32	+0.3/-0	0.8	+/-0.05
27.5	+/-0.4	11	+0.2/-0	20	+0.1/-0	32	+0.3/-0	0.8	+/-0.05
27.5	+/-0.4	13	+0.2/-0	22	+0.1/-0	32	+0.3/-0	0.8	+/-0.05
27.5	+/-0.4	13	+0.2/-0	25	+0.1/-0	32	+0.3/-0	0.8	+/-0.05
27.5	+/-0.4	14	+0.2/-0	28	+0.1/-0	32	+0.3/-0	0.8	+/-0.05
27.5	+/-0.4	18	+0.2/-0	33	+0.1/-0	32	+0.3/-0	0.8	+/-0.05
27.5	+/-0.4	22	+0.2/-0	37	+0.1/-0	32	+0.3/-0	0.8	+/-0.05
37.5	+/-0.4	11	+0.3/-0	22	+0.1/-0	41.5	+0.3/-0	1	+/-0.05
37.5	+/-0.4	13	+0.3/-0	24	+0.1/-0	41.5	+0.3/-0	1	+/-0.05
37.5	+/-0.4	16	+0.3/-0	28.5	+0.1/-0	41.5	+0.3/-0	1	+/-0.05
37.5	+/-0.4	19	+0.3/-0	32	+0.1/-0	41.5	+0.3/-0	1	+/-0.05
37.5	+/-0.4	20	+0.3/-0	40	+0.1/-0	41.5	+0.3/-0	1	+/-0.05
37.5	+/-0.4	24	+0.3/-0	44	+0.1/-0	41.5	+0.3/-0	1	+/-0.05
37.5	+/-0.4	30	+0.3/-0	45	+0.1/-0	41.5	+0.3/-0	1	+/-0.05

Note: See Ordering Options Table for lead length (LL) options.

Performance Characteristics

Sections	1	1	1	1	2	2	2	2	2
Voltage Range (VDC)	100	160	250	400	630	1000	1250	1600	2000
Voltage Range (VAC)	63	90	125	160	300	400	450	450	500
Capacitance Range (µF)	0.047 – 0.15	0.033 – 0.1	0.015 – 0.047	0.01 – 0.047	0.01 – 2.2	0.0033 – 1.5	0.0022 – 0.82	0.001 – 0.56	0.0001 – 0.22
Capacitance Values	IEC E6 values for 1 section and 2 sections with C < 0.001 µF IEC E12 values for 2 sections with C > 0.001 µF								
Capacitance Tolerance	±2.5% (for 2 sections only), ±5%, ±10%								
Category Temperature Range	-55°C to +105°C								
Voltage Derating	The rated voltage is decreased with 1.25%/°C between +85°C and +105°C								
Climatic Category	IEC 60068–1, 55/105/56								

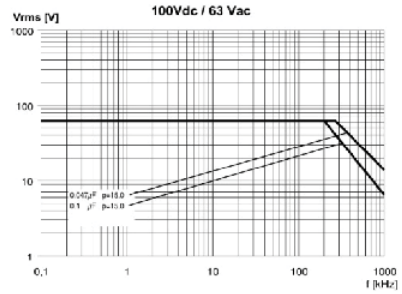
Self-Inductance L (Lead Length ~ 2 mm)					
Lead Spacing (mm)	15	22.5	27.5	37.5
L (nH) ≈	10	18	18	20

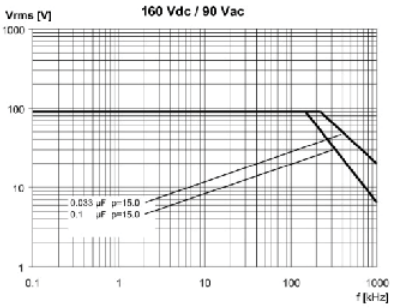
Dissipation Factor tanδ				
Measured at 25°C ± 5°C				
	C ≤ 0.1 µF	0.1 µF < C ≤ 1.0 µF	C > 1.0 µF
1 kHz	0.0003	0.0003	0.0003
10 kHz	0.0004	0.0006	
100 kHz	0.001		

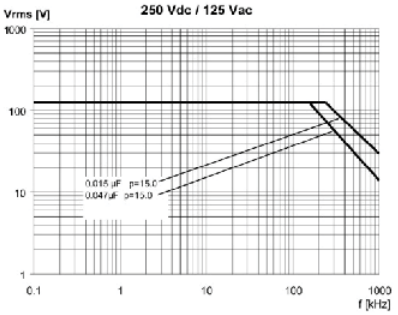
Insulation Resistance		
Measured at +25°C, 100 VDC 60 seconds		
Minimum Values Between Terminals		
C ≤ 0.33 µF	≥ 100,000 MΩ
C > 0.33 µF	≥ 30,000 MΩ • µF

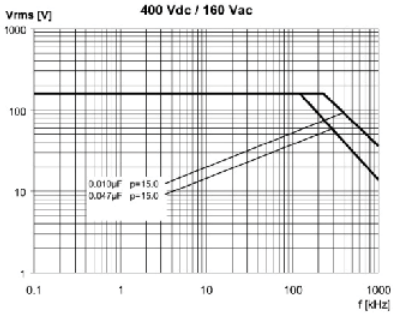
Test Voltage Between Terminals	2.5 x V_R for 1 section and 2.0 x V_R for 2 sections, applied for 2 seconds at 25°C ±5 °C

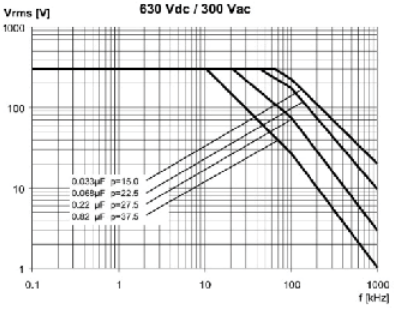
Maximum Voltage (V_{rms}) vs. Frequency (Sinusoidal Waveform/T ≤ 40ºC)

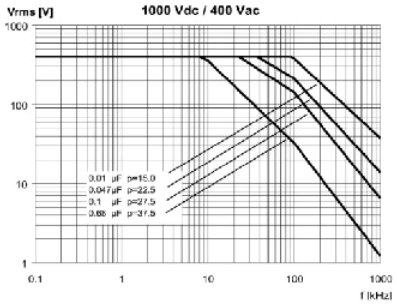


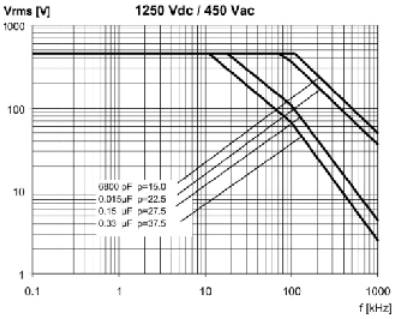


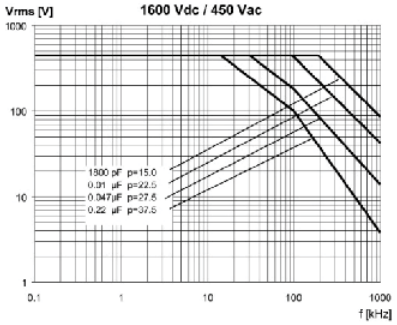


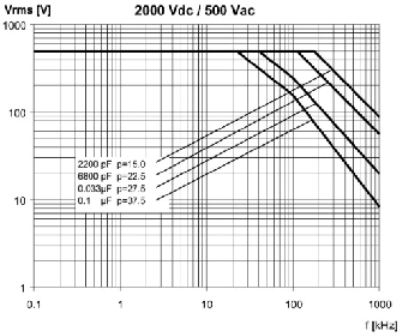






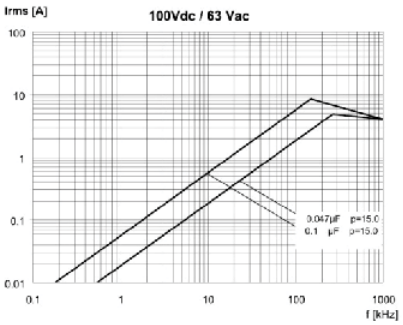


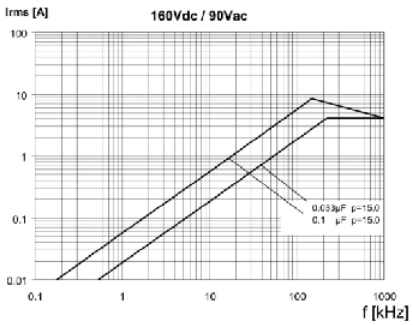


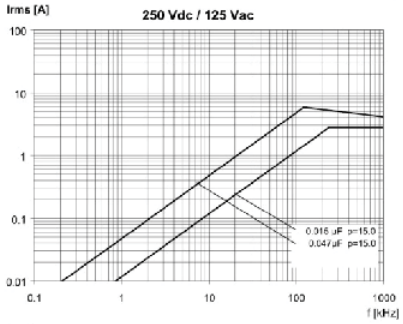


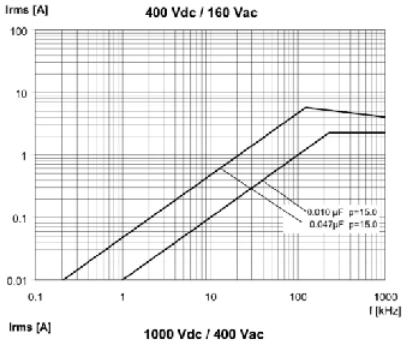
Note: p (pitch) in mm.

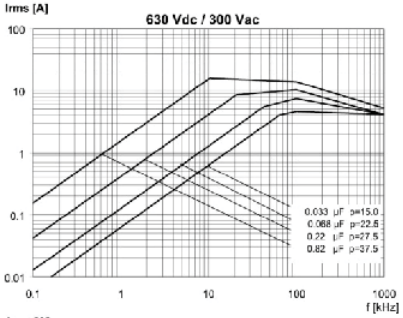
Maximum Current (I_{rms}) vs. Frequency (Sinusoidal Waveform/T ≤ 40ºC)

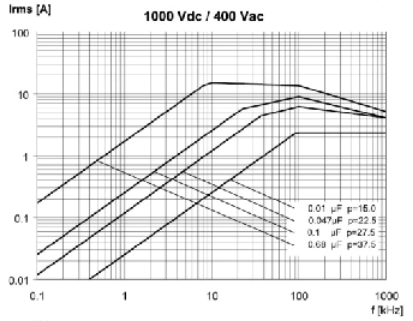


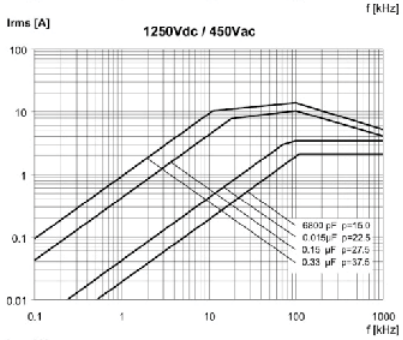


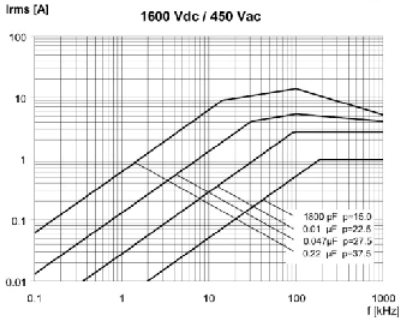


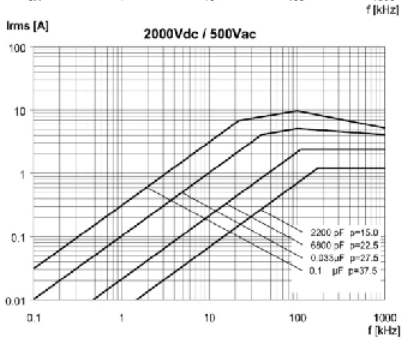












Note: p (pitch) in mm.

Environmental Test Data

Test	IEC Publication	Procedure	Requirements
Voltage Proof	60384–1 Clause 4.6	1.6 x V_R after 60 seconds	The capacitors must withstand the voltage without breakdowns or flashovers and without decreased insulation resistance below the value in each detail specification. No visible damage
	Clause 4.6 2.3	2 x V_R (minimum 400 VDC to case) after 60 seconds	As above
Vibration	60068–2–6 Test Fc	6 hours with 10 – 500 Hz and 0.75 mm amplitude or 98 m/s^2 depending on frequency	No visible damage tanδ ≤ 1.2 x stated value at 100 kHz Δ C/C ≤ ±0.5 %
Bump	60068–2–29 Test Eb	4,000 bumps with 390 m/s^2 mounted on PCB	Δ C/C ≤ ±0.5% tanδ ≤ 1.2 x stated value at 100 kHz Insulation resistance: ≥ 100,000 MΩ for C_R ≤ 0.33 µF ≥ 30,000 MΩ • µF for C_R > 0.33 µF
Resistance to Soldering Heat	60068–2–20 Method 1A	Solder bath at + 260°C ±5°C with screening	Immersion of the terminations into the solder bath shall be completed in a time not exceeding 1 second and the terminations shall remain immersed to the specified depth for 10 + 1 second and then be withdrawn. Δ C/C ≤ ±1.0% tanδ increase < 0.001 No visible damage
Climatic Sequence	60384–1 Paragraph 4:21	60068–2.2 dry heat 16 hours 60068–2–34 damp heat, one cycle 60068–2–1 Test Aa 2 hours	Insulation resistance: ≥ 100,000 MΩ for C_R ≤ 0.33 µF ≥ 30,000 MΩ • µF for C_R > 0.33 µF Δ C/C ≤ ±0.5% tanδ ≤ 1.2 x stated value at 100 kHz
Damp Heat Steady State	60068–2–3 Test Ca	+40°C and 90 – 95% RH	56 days no visible damage Insulation resistance: ≥ 50,000 MΩ for C_R ≤ 0.33 µF ≥ 15,000 MΩ • µF for C_R > 0.33 µF Δ C/C ≤ ±1% tanδ ≤ 1.2 x stated value at 100 kHz
Endurance, AC		1,000 hours at +85°C and 1.25 x V_R AC	No visible damage Δ C/C ≤ ±3% tanδ ≤ 1.5 x stated value at 100 kHz Insulation resistance: ≥ 100,000 MΩ for C_R ≤ 0.33 µF ≥ 30,000 MΩ • µF for C_R > 0.33 µF
Charge and Discharge	60384–17 Paragraph 4.13	10,000 pulses and with (2 x) dV/dt according to detail specification	tanδ (100 kHz) ≤ 2 x stated value (100 kHz) Δ C/C ≤ ±0.5% Insulation resistance: ≥ 50,000 MΩ for C_R ≤ 0.33 µF ≥ 15,000 MΩ • µF for C_R > 0.33 µF

Environmental Compliance

All KEMET pulse capacitors are RoHS Compliant.

RoHS Compliant

Table 1 – Ratings & Part Number Reference

VDC	VAC	Cap Value (µF)	Dimensions in mm			Lead Spacing (p)	dV/dt (V/µs)	Max K_0 (V^2/µs)	New KEMET Part Number	Legacy Part Number
			B	H	L					
100	63	0.047	5.0	11.0	18.0	15.0	2400	0.48 E6	73EI2470(1)00(2)	R73EI2470(1)00(2)
100	63	0.068	6.0	12.0	18.0	15.0	2400	0.48 E6	73EI2680(1)00(2)	R73EI2680(1)00(2)
100	63	0.1	7.5	13.5	18.0	15.0	2400	0.48 E6	73EI3100(1)00(2)	R73EI3100(1)00(2)
100	63	0.15	10.0	16.0	18.0	15.0	2400	0.48 E6	73EI3150(1)00(2)	R73EI3150(1)00(2)
160	90	0.033	5.0	11.0	18.0	15.0	3000	0.96 E6	73GI2330(1)00(2)	R73GI2330(1)00(2)
160	90	0.047	6.0	12.0	18.0	15.0	3000	0.96 E6	73GI2470(1)00(2)	R73GI2470(1)00(2)
160	90	0.068	7.5	13.5	18.0	15.0	3000	0.96 E6	73GI2680(1)00(2)	R73GI2680(1)00(2)
160	90	0.1	10.0	16.0	18.0	15.0	3000	0.96 E6	73GI3100(1)00(2)	R73GI3100(1)00(2)
250	125	0.015	5.0	11.0	18.0	15.0	4800	2.4 E6	73II2150(1)00(2)	R73II2150(1)00(2)
250	125	0.022	6.0	12.0	18.0	15.0	4800	2.4 E6	73II2220(1)00(2)	R73II2220(1)00(2)
250	125	0.033	7.5	13.5	18.0	15.0	4800	2.4 E6	73II2330(1)00(2)	R73II2330(1)00(2)
250	125	0.047	10.0	16.0	18.0	15.0	4800	2.4 E6	73II2470(1)00(2)	R73II2470(1)00(2)
400	160	0.01	5.0	11.0	18.0	15.0	6000	4.8 E6	73MI2100(1)00(2)	R73MI2100(1)00(2)
400	160	0.015	6.0	12.0	18.0	15.0	6000	4.8 E6	73MI2150(1)00(2)	R73MI2150(1)00(2)
400	160	0.022	7.5	13.5	18.0	15.0	6000	4.8 E6	73MI2220(1)00(2)	R73MI2220(1)00(2)
400	160	0.033	8.5	14.5	18.0	15.0	6000	4.8 E6	73MI2330(1)00(2)	R73MI2330(1)00(2)
400	160	0.047	10.0	16.0	18.0	15.0	6000	4.8 E6	73MI2470(1)00(2)	R73MI2470(1)00(2)
630	300	0.01	5.0	11.0	18.0	15.0	11000	14.0 E6	73PI2100(1)00(2)	R73PI2100(1)00(2)
630	300	0.012	5.0	11.0	18.0	15.0	11000	14.0 E6	73PI2120(1)00(2)	R73PI2120(1)00(2)
630	300	0.015	6.0	12.0	18.0	15.0	11000	14.0 E6	73PI2150(1)00(2)	R73PI2150(1)00(2)
630	300	0.018	6.0	12.0	18.0	15.0	11000	14.0 E6	73PI2180(1)00(2)	R73PI2180(1)00(2)
630	300	0.022	7.5	13.5	18.0	15.0	11000	14.0 E6	73PI2220(1)00(2)	R73PI2220(1)00(2)
630	300	0.027	7.5	13.5	18.0	15.0	11000	14.0 E6	73PI2270(1)00(2)	R73PI2270(1)00(2)
630	300	0.033	8.5	14.5	18.0	15.0	11000	14.0 E6	73PI2330(1)00(2)	R73PI2330(1)00(2)
630	300	0.039	10.0	16.0	18.0	15.0	11000	14.0 E6	73PI2390(1)00(2)	R73PI2390(1)00(2)
630	300	0.047	10.0	16.0	18.0	15.0	11000	14.0 E6	73PI2470(1)00(2)	R73PI2470(1)00(2)
630	300	0.039	6.0	15.0	26.5	22.5	11000	14.0 E6	73PN2390(1)00(2)	R73PN2390(1)00(2)
630	300	0.047	7.0	16.0	26.5	22.5	11000	14.0 E6	73PN2470(1)00(2)	R73PN2470(1)00(2)
630	300	0.056	7.0	16.0	26.5	22.5	11000	14.0 E6	73PN2560(1)00(2)	R73PN2560(1)00(2)
630	300	0.068	8.5	17.0	26.5	22.5	11000	14.0 E6	73PN2680(1)00(2)	R73PN2680(1)00(2)
630	300	0.082	10.0	18.5	26.5	22.5	11000	14.0 E6	73PN2820(1)00(2)	R73PN2820(1)00(2)
630	300	0.1	10.0	18.5	26.5	22.5	11000	14.0 E6	73PN3100(1)00(2)	R73PN3100(1)00(2)
630	300	0.1	9.0	17.0	32.0	27.5	11000	14.0 E6	73PR3100(1)00(2)	R73PR3100(1)00(2)
630	300	0.12	9.0	17.0	32.0	27.5	11000	14.0 E6	73PR3120(1)00(2)	R73PR3120(1)00(2)
630	300	0.15	11.0	20.0	32.0	27.5	11000	14.0 E6	73PR3150(1)00(2)	R73PR3150(1)00(2)
630	300	0.18	11.0	20.0	32.0	27.5	11000	14.0 E6	73PR3180(1)10(2)	R73PR3180(1)10(2)
630	300	0.18	13.0	22.0	32.0	27.5	11000	14.0 E6	73PR3180(1)00(2)	R73PR3180(1)00(2)
630	300	0.22	13.0	22.0	32.0	27.5	11000	14.0 E6	73PR3220(1)00(2)	R73PR3220(1)00(2)
630	300	0.27	13.0	25.0	32.0	27.5	11000	14.0 E6	73PR3270(1)10(2)	R73PR3270(1)10(2)
630	300	0.33	14.0	28.0	32.0	27.5	11000	14.0 E6	73PR3330(1)00(2)	R73PR3330(1)00(2)
630	300	0.39	14.0	28.0	32.0	27.5	11000	14.0 E6	73PR3390(1)10(2)	R73PR3390(1)10(2)
630	300	0.39	18.0	33.0	32.0	27.5	11000	14.0 E6	73PR3390(1)00(2)	R73PR3390(1)00(2)
630	300	0.47	18.0	33.0	32.0	27.5	11000	14.0 E6	73PR3470(1)00(2)	R73PR3470(1)00(2)
630	300	0.56	18.0	33.0	32.0	27.5	11000	14.0 E6	73PR3560(1)10(2)	R73PR3560(1)10(2)
630	300	0.56	22.0	37.0	32.0	27.5	11000	14.0 E6	73PR3560(1)00(2)	R73PR3560(1)00(2)
630	300	0.68	22.0	37.0	32.0	27.5	11000	14.0 E6	73PR3680(1)00(2)	R73PR3680(1)00(2)
630	300	0.82	22.0	37.0	32.0	27.5	11000	14.0 E6	73PR3820(1)10(2)	R73PR3820(1)10(2)
630	300	0.22	11.0	22.0	41.5	37.5	3000	3.8 E6	73PW3220(1)00(2)	R73PW3220(1)00(2)
630	300	0.27	11.0	22.0	41.5	37.5	3000	3.8 E6	73PW3270(1)00(2)	R73PW3270(1)00(2)
630	300	0.33	11.0	22.0	41.5	37.5	3000	3.8 E6	73PW3330(1)10(2)	R73PW3330(1)10(2)
630	300	0.33	13.0	24.0	41.5	37.5	3000	3.8 E6	73PW3330(1)00(2)	R73PW3330(1)00(2)
630	300	0.39	13.0	24.0	41.5	37.5	3000	3.8 E6	73PW3390(1)00(2)	R73PW3390(1)00(2)
630	300	0.47	13.0	24.0	41.5	37.5	3000	3.8 E6	73PW3470(1)10(2)	R73PW3470(1)10(2)
630	300	0.47	16.0	28.5	41.5	37.5	3000	3.8 E6	73PW3470(1)00(2)	R73PW3470(1)00(2)
630	300	0.56	16.0	28.5	41.5	37.5	3000	3.8 E6	73PW3560(1)00(2)	R73PW3560(1)00(2)
630	300	0.68	16.0	28.5	41.5	37.5	3000	3.8 E6	73PW3680(1)00(2)	R73PW3680(1)00(2)
630	300	0.82	19.0	32.0	41.5	37.5	3000	3.8 E6	73PW3820(1)00(2)	R73PW3820(1)00(2)
630	300	1	20.0	40.0	41.5	37.5	3000	3.8 E6	73PW4100(1)00(2)	R73PW4100(1)00(2)
630	300	1.2	20.0	40.0	41.5	37.5	3000	3.8 E6	73PW4120(1)00(2)	R73PW4120(1)00(2)
630	300	1.5	24.0	44.0	41.5	37.5	3000	3.8 E6	73PW4150(1)00(2)	R73PW4150(1)00(2)
VDC	**VAC**	**Cap Value (µF)**	**B (mm)**	**H (mm)**	**L (mm)**	Lead Spacing (p)	**dV/dt (V/µs)**	Max K_0 (V^2/µs)	**New KEMET Part Number**	**Legacy Part Number**

(1) Insert lead and packaging code. See Ordering Options Table for available options.
(2) H = ±2.5% (for 2-section construction only), J = ±5%, K = ±10%.

Roll Over for Order Info.

Table 1 – Ratings & Part Number Reference cont'd

VDC	VAC	Cap Value (µF)	Dimensions in mm			Lead Spacing (p)	dV/dt (V/µs)	Max K_0 (V^2/µs)	New KEMET Part Number	Legacy Part Number
			B	H	L					
630	300	1.8	30.0	45.0	41.5	37.5	3000	3.8 E6	73PW4180(1)00(2)	R73PW4180(1)00(2)
630	300	2.2	30.0	45.0	41.5	37.5	3000	3.8 E6	73PW4220(1)00(2)	R73PW4220(1)00(2)
1000	400	0.0033	5.0	11.0	18.0	15.0	28000	56 E6	73QI1330(1)30(2)	R73QI1330(1)30(2)
1000	400	0.0039	5.0	11.0	18.0	15.0	28000	56 E6	73QI1390(1)30(2)	R73QI1390(1)30(2)
1000	400	0.0047	5.0	11.0	18.0	15.0	28000	56 E6	73QI1470(1)30(2)	R73QI1470(1)30(2)
1000	400	0.0056	5.0	11.0	18.0	15.0	28000	56 E6	73QI1560(1)30(2)	R73QI1560(1)30(2)
1000	400	0.0068	5.0	11.0	18.0	15.0	28000	56 E6	73QI1680(1)30(2)	R73QI1680(1)30(2)
1000	400	0.0082	5.0	11.0	18.0	15.0	28000	56 E6	73QI1820(1)30(2)	R73QI1820(1)30(2)
1000	400	0.01	6.0	12.0	18.0	15.0	28000	56 E6	73QI2100(1)30(2)	R73QI2100(1)30(2)
1000	400	0.012	6.0	12.0	18.0	15.0	28000	56 E6	73QI2120(1)30(2)	R73QI2120(1)30(2)
1000	400	0.015	7.5	13.5	18.0	15.0	28000	56 E6	73QI2150(1)30(2)	R73QI2150(1)30(2)
1000	400	0.018	8.5	14.5	18.0	15.0	28000	56 E6	73QI2180(1)30(2)	R73QI2180(1)30(2)
1000	400	0.022	8.5	14.5	18.0	15.0	28000	56 E6	73QI2220(1)30(2)	R73QI2220(1)30(2)
1000	400	0.027	10.0	16.0	18.0	15.0	28000	56 E6	73QI2270(1)30(2)	R73QI2270(1)30(2)
1000	400	0.015	6.0	15.0	26.5	22.5	11000	22 E6	73QN2150(1)30(2)	R73QN2150(1)30(2)
1000	400	0.018	6.0	15.0	26.5	22.5	11000	22 E6	73QN2180(1)30(2)	R73QN2180(1)30(2)
1000	400	0.022	6.0	15.0	26.5	22.5	11000	22 E6	73QN2220(1)30(2)	R73QN2220(1)30(2)
1000	400	0.027	7.0	16.0	26.5	22.5	11000	22 E6	73QN2270(1)30(2)	R73QN2270(1)30(2)
1000	400	0.033	7.0	16.0	26.5	22.5	11000	22 E6	73QN2330(1)30(2)	R73QN2330(1)30(2)
1000	400	0.039	8.5	17.0	26.5	22.5	11000	22 E6	73QN2390(1)30(2)	R73QN2390(1)30(2)
1000	400	0.047	10.0	18.5	26.5	22.5	11000	22 E6	73QN2470(1)30(2)	R73QN2470(1)30(2)
1000	400	0.056	10.0	18.5	26.5	22.5	11000	22 E6	73QN2560(1)30(2)	R73QN2560(1)30(2)
1000	400	0.068	11.0	20.0	26.5	22.5	11000	22 E6	73QN2680(1)30(2)	R73QN2680(1)30(2)
1000	400	0.047	9.0	17.0	32.0	27.5	11000	22 E6	73QR2470(1)30(2)	R73QR2470(1)30(2)
1000	400	0.056	9.0	17.0	32.0	27.5	11000	22 E6	73QR2560(1)30(2)	R73QR2560(1)30(2)
1000	400	0.068	9.0	17.0	32.0	27.5	11000	22 E6	73QR2680(1)30(2)	R73QR2680(1)30(2)
1000	400	0.082	9.0	17.0	32.0	27.5	11000	22 E6	73QR2820(1)40(2)	R73QR2820(1)40(2)
1000	400	0.082	11.0	20.0	32.0	27.5	11000	22 e6	73QR2820(1)30(2)	R73QR2820(1)30(2)
1000	400	0.1	11.0	20.0	32.0	27.5	11000	22 E6	73QR3100(1)30(2)	R73QR3100(1)30(2)
1000	400	0.12	11.0	20.0	32.0	27.5	11000	22 E6	73QR3120(1)40(2)	R73QR3120(1)40(2)
1000	400	0.12	13.0	22.0	32.0	27.5	11000	22 E6	73QR3120(1)30(2)	R73QR3120(1)30(2)
1000	400	0.15	13.0	22.0	32.0	27.5	11000	22 E6	73QR3150(1)30(2)	R73QR3150(1)30(2)
1000	400	0.18	13.0	25.0	32.0	27.5	11000	22 E6	73QR3180(1)40(2)	R73QR3180(1)40(2)
1000	400	0.22	14.0	28.0	32.0	27.5	11000	22 E6	73QR3220(1)30(2)	R73QR3220(1)30(2)
1000	400	0.27	18.0	33.0	32.0	27.5	11000	22 E6	73QR3270(1)30(2)	R73QR3270(1)30(2)
1000	400	0.33	18.0	33.0	32.0	27.5	11000	22 E6	73QR3330(1)30(2)	R73QR3330(1)30(2)
1000	400	0.47	22.0	37.0	32.0	27.5	11000	22 E6	73QR3470(1)30(2)	R73QR3470(1)30(2)
1000	400	0.12	11.0	22.0	41.5	37.5	4500	9 E6	73QW3120(1)30(2)	R73QW3120(1)30(2)
1000	400	0.15	11.0	22.0	41.5	37.5	4500	9 E6	73QW3150(1)30(2)	R73QW3150(1)30(2)
1000	400	0.18	11.0	22.0	41.5	37.5	4500	9 E6	73QW3180(1)30(2)	R73QW3180(1)30(2)
1000	400	0.22	13.0	24.0	41.5	37.5	4500	9 E6	73QW3220(1)30(2)	R73QW3220(1)30(2)
1000	400	0.27	13.0	24.0	41.5	37.5	4500	9 E6	73QW3270(1)40(2)	R73QW3270(1)40(2)
1000	400	0.27	16.0	28.5	41.5	37.5	4500	9 E6	73QW3270(1)30(2)	R73QW3270(1)30(2)
1000	400	0.33	16.0	28.5	41.5	37.5	4500	9 E6	73QW3330(1)30(2)	R73QW3330(1)30(2)
1000	400	0.39	16.0	28.5	41.5	37.5	4500	9 E6	73QW3390(1)30(2)	R73QW3390(1)30(2)
1000	400	0.47	19.0	32.0	41.5	37.5	4500	9 E6	73QW3470(1)30(2)	R73QW3470(1)30(2)
1000	400	0.56	19.0	32.0	41.5	37.5	4500	9 E6	73QW3560(1)30(2)	R73QW3560(1)30(2)
1000	400	0.68	20.0	40.0	41.5	37.5	4500	9 E6	73QW3680(1)30(2)	R73QW3680(1)30(2)
1000	400	0.82	20.0	40.0	41.5	37.5	4500	9 E6	73QW3820(1)30(2)	R73QW3820(1)30(2)
1000	400	1	24.0	44.0	41.5	37.5	4500	9 E6	73QW4100(1)30(2)	R73QW4100(1)30(2)
1000	400	1.2	30.0	45.0	41.5	37.5	4500	9 E6	73QW4120(1)30(2)	R73QW4120(1)30(2)
1000	400	1.5	30.0	45.0	41.5	37.5	4500	9 E6	73QW4150(1)40(2)	R73QW4150(1)40(2)
1250	450	0.0022	5.0	11.0	18.0	15.0	30000	75 E6	73RI1220(1)00(2)	R73RI1220(1)00(2)
1250	450	0.0027	5.0	11.0	18.0	15.0	30000	75 E6	73RI1270(1)00(2)	R73RI1270(1)00(2)
1250	450	0.0033	6.0	12.0	18.0	15.0	30000	75 E6	73RI1330(1)00(2)	R73RI1330(1)00(2)
1250	450	0.0039	6.0	12.0	18.0	15.0	30000	75 E6	73RI1390(1)00(2)	R73RI1390(1)00(2)
1250	450	0.0047	7.5	13.5	18.0	15.0	30000	75 E6	73RI1470(1)00(2)	R73RI1470(1)00(2)
1250	450	0.0056	7.5	13.5	18.0	15.0	30000	75 E6	73RI1560(1)00(2)	R73RI1560(1)00(2)
1250	450	0.0068	8.5	14.5	18.0	15.0	30000	75 E6	73RI1680(1)00(2)	R73RI1680(1)00(2)
1250	450	0.0082	10.0	16.0	18.0	15.0	30000	75 E6	73RI1820(1)00(2)	R73RI1820(1)00(2)
VDC	**VAC**	**Cap Value (µF)**	**B (mm)**	**H (mm)**	**L (mm)**	Lead Spacing (p)	**dV/dt (V/µs)**	Max K_0 (V^2/µs)	**New KEMET Part Number**	**Legacy Part Number**

(1) Insert lead and packaging code. See Ordering Options Table for available options.
(2) H = ±2.5% (for 2-section construction only), J = ±5%, K = ±10%.

Roll Over for Order Info.

Table 1 – Ratings & Part Number Reference cont'd

VDC	VAC	Cap Value (µF)	Dimensions in mm			Lead Spacing (p)	dV/dt (V/µs)	Max K_0 (V^2/µs)	New KEMET Part Number	Legacy Part Number
			B	H	L					
1250	450	0.0082	6.0	15.0	26.5	22.5	11000	27 E6	73RN1820(1)00(2)	R73RN1820(1)00(2)
1250	450	0.01	6.0	15.0	26.5	22.5	11000	27 E6	73RN2100(1)00(2)	R73RN2100(1)00(2)
1250	450	0.012	6.0	15.0	26.5	22.5	11000	27 E6	73RN2120(1)00(2)	R73RN2120(1)00(2)
1250	450	0.015	7.0	16.0	26.5	22.5	11000	27 E6	73RN2150(1)00(2)	R73RN2150(1)00(2)
1250	450	0.018	7.0	16.0	26.5	22.5	11000	27 E6	73RN2180(1)00(2)	R73RN2180(1)00(2)
1250	450	0.022	8.5	17.0	26.5	22.5	11000	27 E6	73RN2220(1)00(2)	R73RN2220(1)00(2)
1250	450	0.027	10.0	18.5	26.5	22.5	11000	27 E6	73RN2270(1)00(2)	R73RN2270(1)00(2)
1250	450	0.033	10.0	18.5	26.5	22.5	11000	27 E6	73RN2330(1)00(2)	R73RN2330(1)00(2)
1250	450	0.039	9.0	17.0	32.0	27.5	11000	27 E6	73RR2390(1)00(2)	R73RR2390(1)00(2)
1250	450	0.047	11.0	20.0	32.0	27.5	11000	27 E6	73RR2470(1)00(2)	R73RR2470(1)00(2)
1250	450	0.056	11.0	20.0	32.0	27.5	11000	27 E6	73RR2560(1)00(2)	R73RR2560(1)00(2)
1250	450	0.068	13.0	22.0	32.0	27.5	11000	27 E6	73RR2680(1)00(2)	R73RR2680(1)00(2)
1250	450	0.082	13.0	25.0	32.0	27.5	11000	27 E6	73RR2820(1)10(2)	R73RR2820(1)10(2)
1250	450	0.1	13.0	25.0	32.0	27.5	11000	27 E6	73RR3100(1)10(2)	R73RR3100(1)10(2)
1250	450	0.12	14.0	28.0	32.0	27.5	11000	27 E6	73RR3120(1)10(2)	R73RR3120(1)10(2)
1250	450	0.12	18.0	33.0	32.0	27.5	11000	27 E6	73RR3120(1)00(2)	R73RR3120(1)00(2)
1250	450	0.15	18.0	33.0	32.0	27.5	11000	27 E6	73RR3150(1)00(2)	R73RR3150(1)00(2)
1250	450	0.18	18.0	33.0	32.0	27.5	11000	27 E6	73RR3180(1)00(2)	R73RR3180(1)00(2)
1250	450	0.22	22.0	37.0	32.0	27.5	11000	27 E6	73RR3220(1)00(2)	R73RR3220(1)00(2)
1250	450	0.082	11.0	22.0	41.5	37.5	5500	14 E6	73RW2820(1)00(2)	R73RW2820(1)00(2)
1250	450	0.1	11.0	22.0	41.5	37.5	5500	14 E6	73RW3100(1)00(2)	R73RW3100(1)00(2)
1250	450	0.12	11.0	22.0	41.5	37.5	5500	14 E6	73RW3120(1)10(2)	R73RW3120(1)10(2)
1250	450	0.12	13.0	24.0	41.5	37.5	5500	14 E6	73RW3120(1)00(2)	R73RW3120(1)00(2)
1250	450	0.15	13.0	24.0	41.5	37.5	5500	14 E6	73RW3150(1)00(2)	R73RW3150(1)00(2)
1250	450	0.18	13.0	24.0	41.5	37.5	5500	14 E6	73RW3180(1)10(2)	R73RW3180(1)10(2)
1250	450	0.18	16.0	28.5	41.5	37.5	5500	14 E6	73RW3180(1)00(2)	R73RW3180(1)00(2)
1250	450	0.22	16.0	28.5	41.5	37.5	5500	14 E6	73RW3220(1)00(2)	R73RW3220(1)00(2)
1250	450	0.27	16.0	28.5	41.5	37.5	5500	14 E6	73RW3270(1)00(2)	R73RW3270(1)00(2)
1250	450	0.33	19.0	32.0	41.5	37.5	5500	14 E6	73RW3330(1)00(2)	R73RW3330(1)00(2)
1250	450	0.39	20.0	40.0	41.5	37.5	5500	14 E6	73RW3390(1)00(2)	R73RW3390(1)00(2)
1250	450	0.47	20.0	40.0	41.5	37.5	5500	14 E6	73RW3470(1)00(2)	R73RW3470(1)00(2)
1250	450	0.56	20.0	40.0	41.5	37.5	5500	14 E6	73RW3560(1)00(2)	R73RW3560(1)00(2)
1250	450	0.68	24.0	44.0	41.5	37.5	5500	14 E6	73RW3680(1)00(2)	R73RW3680(1)00(2)
1600	450	0.001	5.0	11.0	18.0	15.0	34000	109 E6	73TI1100(1)00(2)	R73TI1100(1)00(2)
1600	450	0.0012	5.0	11.0	18.0	15.0	34000	109 E6	73TI1120(1)00(2)	R73TI1120(1)00(2)
1600	450	0.0015	5.0	11.0	18.0	15.0	34000	109 E6	73TI1150(1)00(2)	R73TI1150(1)00(2)
1600	450	0.0018	5.0	11.0	18.0	15.0	34000	109 E6	73TI1180(1)00(2)	R73TI1180(1)00(2)
1600	450	0.0022	6.0	12.0	18.0	15.0	34000	109 E6	73TI1220(1)00(2)	R73TI1220(1)00(2)
1600	450	0.0027	6.0	12.0	18.0	15.0	34000	109 E6	73TI1270(1)00(2)	R73TI1270(1)00(2)
1600	450	0.0033	7.5	13.5	18.0	15.0	34000	109 E6	73TI1330(1)00(2)	R73TI1330(1)00(2)
1600	450	0.0039	7.5	13.5	18.0	15.0	34000	109 E6	73TI1390(1)00(2)	R73TI1390(1)00(2)
1600	450	0.0047	8.5	14.5	18.0	15.0	34000	109 E6	73TI1470(1)00(2)	R73TI1470(1)00(2)
1600	450	0.0056	10.0	16.0	18.0	15.0	34000	109 E6	73TI1560(1)00(2)	R73TI1560(1)00(2)
1600	450	0.0068	10.0	16.0	18.0	15.0	34000	109 E6	73TI1680(1)00(2)	R73TI1680(1)00(2)
1600	450	0.0056	6.0	15.0	26.5	22.5	11000	35 E6	73TN1560(1)00(2)	R73TN1560(1)00(2)
1600	450	0.0068	6.0	15.0	26.5	22.5	11000	35 E6	73TN1680(1)00(2)	R73TN1680(1)00(2)
1600	450	0.0082	6.0	15.0	26.5	22.5	11000	35 E6	73TN1820(1)00(2)	R73TN1820(1)00(2)
1600	450	0.01	6.0	15.0	26.5	22.5	11000	35 E6	73TN2100(1)00(2)	R73TN2100(1)00(2)
1600	450	0.012	7.0	16.0	26.5	22.5	11000	35 E6	73TN2120(1)00(2)	R73TN2120(1)00(2)
1600	450	0.015	8.5	17.0	26.5	22.5	11000	35 E6	73TN2150(1)00(2)	R73TN2150(1)00(2)
1600	450	0.018	8.5	17.0	26.5	22.5	11000	35 E6	73TN2180(1)00(2)	R73TN2180(1)00(2)
1600	450	0.022	10.0	18.5	26.5	22.5	11000	35 E6	73TN2220(1)00(2)	R73TN2220(1)00(2)
1600	450	0.027	9.0	17.0	32.0	27.5	11000	35 E6	73TR2270(1)00(2)	R73TR2270(1)00(2)
1600	450	0.033	11.0	20.0	32.0	27.5	11000	35 E6	73TR2330(1)00(2)	R73TR2330(1)00(2)
1600	450	0.039	11.0	20.0	32.0	27.5	11000	35 E6	73TR2390(1)00(2)	R73TR2390(1)00(2)
1600	450	0.047	13.0	22.0	32.0	27.5	11000	35 E6	73TR2470(1)00(2)	R73TR2470(1)00(2)
1600	450	0.056	13.0	22.0	32.0	27.5	11000	35 E6	73TR2560(1)00(2)	R73TR2560(1)00(2)
1600	450	0.068	14.0	28.0	32.0	27.5	11000	35 E6	73TR2680(1)10(2)	R73TR2680(1)10(2)
1600	450	0.082	14.0	28.0	32.0	27.5	11000	35 E6	73TR2820(1)00(2)	R73TR2820(1)00(2)
1600	450	0.1	18.0	33.0	32.0	27.5	11000	35 E6	73TR3100(1)00(2)	R73TR3100(1)00(2)
VDC	**VAC**	**Cap Value (µF)**	**B (mm)**	**H (mm)**	**L (mm)**	**Lead Spacing (p)**	**dV/dt (V/µs)**	**Max K_0 (V^2/µs)**	**New KEMET Part Number**	**Legacy Part Number**

(1) Insert lead and packaging code. See Ordering Options Table for available options.
(2) H = ±2.5% (for 2-section construction only), J = ±5%, K = ±10%.

Roll Over for Order Info.

Table 1 – Ratings & Part Number Reference cont'd

VDC	VAC	Cap Value (µF)	Dimensions in mm			Lead Spacing (p)	dV/dt (V/µs)	Max K_0 (V^2/µs)	New KEMET Part Number	Legacy Part Number
			B	H	L					
1600	450	0.12	18.0	33.0	32.0	27.5	11000	35 E6	73TR3120(1)00(2)	R73TR3120(1)00(2)
1600	450	0.15	22.0	37.0	32.0	27.5	11000	35 E6	73TR3150(1)00(2)	R73TR3150(1)00(2)
1600	450	0.18	22.0	37.0	32.0	27.5	11000	35 E6	73TR3180(1)00(2)	R73TR3180(1)00(2)
1600	450	0.033	11.0	22.0	41.5	37.5	6500	21 E6	73TW2330(1)00(2)	R73TW2330(1)00(2)
1600	450	0.039	11.0	22.0	41.5	37.5	6500	21 E6	73TW2390(1)00(2)	R73TW2390(1)00(2)
1600	450	0.047	11.0	22.0	41.5	37.5	6500	21 E6	73TW2470(1)00(2)	R73TW2470(1)00(2)
1600	450	0.056	11.0	22.0	41.5	37.5	6500	21 E6	73TW2560(1)00(2)	R73TW2560(1)00(2)
1600	450	0.068	11.0	22.0	41.5	37.5	6500	21 E6	73TW2680(1)00(2)	R73TW2680(1)00(2)
1600	450	0.082	11.0	22.0	41.5	37.5	6500	21 E6	73TW2820(1)00(2)	R73TW2820(1)00(2)
1600	450	0.1	13.0	24.0	41.5	37.5	6500	21 E6	73TW3100(1)00(2)	R73TW3100(1)00(2)
1600	450	0.12	16.0	28.5	41.5	37.5	6500	21 E6	73TW3120(1)00(2)	R73TW3120(1)00(2)
1600	450	0.15	16.0	28.5	41.5	37.5	6500	21 E6	73TW3150(1)00(2)	R73TW3150(1)00(2)
1600	450	0.18	16.0	28.5	41.5	37.5	6500	21 E6	73TW3180(1)00(2)	R73TW3180(1)00(2)
1600	450	0.22	19.0	32.0	41.5	37.5	6500	21 E6	73TW3220(1)00(2)	R73TW3220(1)00(2)
1600	450	0.27	20.0	40.0	41.5	37.5	6500	21 E6	73TW3270(1)00(2)	R73TW3270(1)00(2)
1600	450	0.33	20.0	40.0	41.5	37.5	6500	21 E6	73TW3330(1)00(2)	R73TW3330(1)00(2)
1600	450	0.39	24.0	44.0	41.5	37.5	6500	21 E6	73TW3390(1)00(2)	R73TW3390(1)00(2)
1600	450	0.47	24.0	44.0	41.5	37.5	6500	21 E6	73TW3470(1)10(2)	R73TW3470(1)10(2)
1600	450	0.47	30.0	45.0	41.5	37.5	6500	21 E6	73TW3470(1)00(2)	R73TW3470(1)00(2)
1600	450	0.56	24.0	44.0	41.5	37.5	6500	21 E6	73TW3560(1)10(2)	R73TW3560(1)10(2)
1600	450	0.56	30.0	45.0	41.5	37.5	6500	21 E6	73TW3560(1)00(2)	R73TW3560(1)00(2)
2000	500	0.0001	5.0	11.0	18.0	15.0	54000	216 E6	73UI0100(1)00(2)	R73UI0100(1)00(2)
2000	500	0.00015	5.0	11.0	18.0	15.0	54000	216 E6	73UI0150(1)00(2)	R73UI0150(1)00(2)
2000	500	0.00022	5.0	11.0	18.0	15.0	54000	216 E6	73UI0220(1)00(2)	R73UI0220(1)00(2)
2000	500	0.00033	5.0	11.0	18.0	15.0	54000	216 E6	73UI0330(1)00(2)	R73UI0330(1)00(2)
2000	500	0.00047	5.0	11.0	18.0	15.0	54000	216 E6	73UI0470(1)00(2)	R73UI0470(1)00(2)
2000	500	0.00068	5.0	11.0	18.0	15.0	54000	216 E6	73UI0680(1)00(2)	R73UI0680(1)00(2)
2000	500	0.001	6.0	12.0	18.0	15.0	54000	216 E6	73UI1100(1)00(2)	R73UI1100(1)00(2)
2000	500	0.0012	6.0	12.0	18.0	15.0	54000	216 E6	73UI1120(1)00(2)	R73UI1120(1)00(2)
2000	500	0.0015	7.5	13.5	18.0	15.0	54000	216 E6	73UI1150(1)00(2)	R73UI1150(1)00(2)
2000	500	0.0018	7.5	13.5	18.0	15.0	54000	216 E6	73UI1180(1)00(2)	R73UI1180(1)00(2)
2000	500	0.0022	8.5	14.5	18.0	15.0	54000	216 E6	73UI1220(1)00(2)	R73UI1220(1)00(2)
2000	500	0.0027	10.0	16.0	18.0	15.0	54000	216 E6	73UI1270(1)00(2)	R73UI1270(1)00(2)
2000	500	0.0027	6.0	15.0	26.5	22.5	11000	44 E6	73UN1270(1)00(2)	R73UN1270(1)00(2)
2000	500	0.0033	6.0	15.0	26.5	22.5	11000	44 E6	73UN1330(1)00(2)	R73UN1330(1)00(2)
2000	500	0.0039	6.0	15.0	26.5	22.5	11000	44 E6	73UN1390(1)00(2)	R73UN1390(1)00(2)
2000	500	0.0047	7.0	16.0	26.5	22.5	11000	44 E6	73UN1470(1)00(2)	R73UN1470(1)00(2)
2000	500	0.0056	7.0	16.0	26.5	22.5	11000	44 E6	73UN1560(1)00(2)	R73UN1560(1)00(2)
2000	500	0.0068	8.5	17.0	26.5	22.5	11000	44 E6	73UN1680(1)00(2)	R73UN1680(1)00(2)
2000	500	0.0082	8.5	17.0	26.5	22.5	11000	44 E6	73UN1820(1)00(2)	R73UN1820(1)00(2)
2000	500	0.01	10.0	18.5	26.5	22.5	11000	44 E6	73UN2100(1)00(2)	R73UN2100(1)00(2)
2000	500	0.012	11.0	20.0	26.5	22.5	11000	44 E6	73UN2120(1)00(2)	R73UN2120(1)00(2)
2000	500	0.01	9.0	17.0	32.0	27.5	11000	44 E6	73UR2100(1)00(2)	R73UR2100(1)00(2)
2000	500	0.012	9.0	17.0	32.0	27.5	11000	44 E6	73UR2120(1)00(2)	R73UR2120(1)00(2)
2000	500	0.015	11.0	20.0	32.0	27.5	11000	44 E6	73UR2150(1)00(2)	R73UR2150(1)00(2)
2000	500	0.018	13.0	22.0	32.0	27.5	11000	44 E6	73UR2180(1)00(2)	R73UR2180(1)00(2)
2000	500	0.022	13.0	22.0	32.0	27.5	11000	44 E6	73UR2220(1)00(2)	R73UR2220(1)00(2)
2000	500	0.027	14.0	28.0	32.0	27.5	11000	44 E6	73UR2270(1)10(2)	R73UR2270(1)10(2)
2000	500	0.033	14.0	28.0	32.0	27.5	11000	44 E6	73UR2330(1)10(2)	R73UR2330(1)10(2)
2000	500	0.033	18.0	33.0	32.0	27.5	11000	44 E6	73UR2330(1)00(2)	R73UR2330(1)00(2)
2000	500	0.039	18.0	33.0	32.0	27.5	11000	44 E6	73UR2390(1)00(2)	R73UR2390(1)00(2)
2000	500	0.047	18.0	33.0	32.0	27.5	11000	44 E6	73UR2470(1)00(2)	R73UR2470(1)00(2)
2000	500	0.056	22.0	37.0	32.0	27.5	11000	44 E6	73UR2560(1)00(2)	R73UR2560(1)00(2)
2000	500	0.068	22.0	37.0	32.0	27.5	11000	44 E6	73UR2680(1)00(2)	R73UR2680(1)00(2)
2000	500	0.018	11.0	22.0	41.5	37.5	9000	36 E6	73UW2180(1)00(2)	R73UW2180(1)00(2)
2000	500	0.022	11.0	22.0	41.5	37.5	9000	36 E6	73UW2220(1)00(2)	R73UW2220(1)00(2)
2000	500	0.027	11.0	22.0	41.5	37.5	9000	36 E6	73UW2270(1)00(2)	R73UW2270(1)00(2)
2000	500	0.033	13.0	24.0	41.5	37.5	9000	36 E6	73UW2330(1)00(2)	R73UW2330(1)00(2)
2000	500	0.039	13.0	24.0	41.5	37.5	9000	36 E6	73UW2390(1)00(2)	R73UW2390(1)00(2)
2000	500	0.047	16.0	28.5	41.5	37.5	9000	36 E6	73UW2470(1)00(2)	R73UW2470(1)00(2)
VDC	**VAC**	**Cap Value (µF)**	**B (mm)**	**H (mm)**	**L (mm)**	Lead Spacing (p)	**dV/dt (V/µs)**	Max K_0 (V^2/µs)	**New KEMET Part Number**	**Legacy Part Number**

(1) Insert lead and packaging code. See Ordering Options Table for available options.
(2) H = ±2.5% (for 2-section construction only), J = ±5%, K = ±10%.

Roll Over for Order Info.

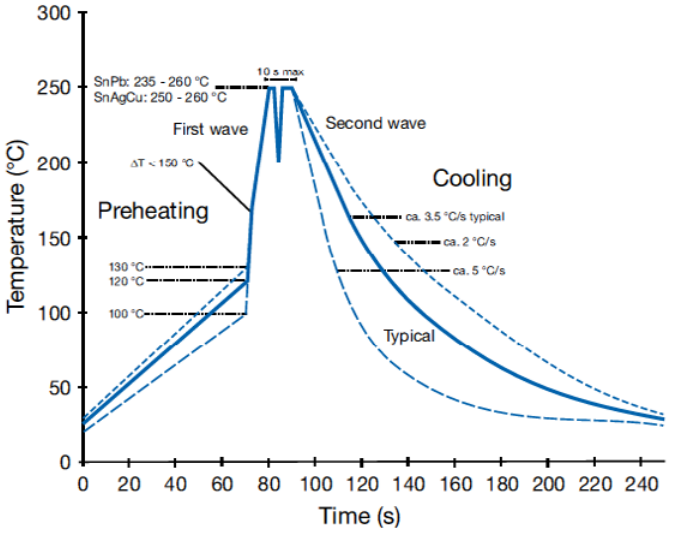
Table 1 – Ratings & Part Number Reference cont'd

VDC	VAC	Cap Value (µF)	Dimensions in mm			Lead Spacing (p)	dV/dt (V/µs)	Max K_0 (V^2/µs)	New KEMET Part Number	Legacy Part Number
			B	H	L					
2000	500	0.056	16.0	28.5	41.5	37.5	9000	36 E6	73UW2560(1)00(2)	R73UW2560(1)00(2)
2000	500	0.068	16.0	28.5	41.5	37.5	9000	36 E6	73UW2680(1)00(2)	R73UW2680(1)00(2)
2000	500	0.082	19.0	32.0	41.5	37.5	9000	36 E6	73UW2820(1)00(2)	R73UW2820(1)00(2)
2000	500	0.1	20.0	40.0	41.5	37.5	9000	36 E6	73UW3100(1)00(2)	R73UW3100(1)00(2)
2000	500	0.12	20.0	40.0	41.5	37.5	9000	36 E6	73UW3120(1)00(2)	R73UW3120(1)00(2)
2000	500	0.15	24.0	44.0	41.5	37.5	9000	36 E6	73UW3150(1)00(2)	R73UW3150(1)00(2)
2000	500	0.18	30.0	45.0	41.5	37.5	9000	36 E6	73UW3180(1)00(2)	R73UW3180(1)00(2)
2000	500	0.22	30.0	45.0	41.5	37.5	9000	36 E6	73UW3220(1)00(2)	R73UW3220(1)00(2)
VDC	**VAC**	**Cap Value (µF)**	**B (mm)**	**H (mm)**	**L (mm)**	Lead Spacing (p)	**dV/dt (V/µs)**	Max K_0 (V^2/µs)	**New KEMET Part Number**	**Legacy Part Number**

(1) Insert lead and packaging code. See Ordering Options Table for available options.
(2) H = ±2.5% (for 2-section construction only), J = ±5%, K = ±10%.

Soldering Process

The implementation of the RoHS Directive has required the selection SnAuCu (SAC) alloys or SnCu alloys as primary solder. This has increased the liquidus temperature from that of 183ºC for SnPb eutectic alloy to 217ºC – 221ºC for the new alloys. As a result, the heat stress to components, even in wave soldering, has increased considerably due to higher pre-heat and wave temperatures. Polypropylene capacitors are especially sensitive to heat (melting point of polypropylene is 160ºC – 170ºC). Wave soldering can be destructive especially for mechanically small polypropylene capacitors and great care must be taken during soldering. The solder profiles from KEMET are highly recommended. You may also refer to the wave soldering curve from IEC Publication 61760–1 Edition 2. Please consult KEMET with any questions.



Marking

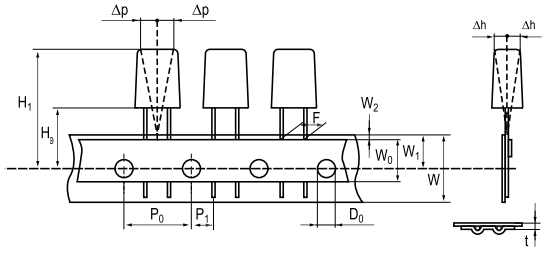
- KEMET's logo
- Series
- Dielectric code (KP)
- Capacitance
- Capacitance tolerance
- Rated DC voltage
- Manufacturing date code

Packaging Quantities

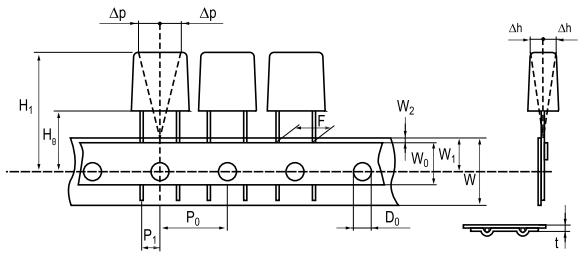
Lead Spacing	Thickness (mm)	Height (mm)	Length (mm)	Bulk Short Leads	Bulk Long Leads	Standard Reel ø 355 mm	Large Reel ø 500 mm	Ammo	Pizza
15	4	10	18	2500	1500	750	1500	1000	1411
	5	11	18	1000	1250	600	1250	800	1139
	6	12	18	1750	1000	500	1000	680	935
	7.5	13.5	18	1000	800	350	800	500	748
	6	17.5	18	1000	800	500	1000	680	935
	7.5	14.5	18	1000	750	350	800	500	748
	8.5	14.5	18	1000	650	300	700	440	663
	9	12.5	18	1000	700	270	650	410	629
	7.5	18.5	18	900	600	350	800	500	748
	10	16	18	750	550	300	600	380	561
	13	12	18	750	520	200	480	280	425
	11	19	18	450	400	250	500	340	510
22.5	6	15	26.5	1404	702	300	700	464	660
	7	16	26.5	1188	594	250	550	380	564
	8.5	17	26.5	972	486	250	450	280	468
	10	18.5	26.5	810	405	160	350	235	396
	11	20	26.5	630	378	190	350	217	360
	13	22	26.5	540	324	150	300	200	300
27.5	9	17	32	816	408		450		
	10	20	32	600	360		350		
	11	20	32	560	336		350		
	13	22	32	480	288		300		
	13	25	32	480	288				
	14	28	32	352	176				
	15	24.5	32	400	240				
	18	33	32	256	128				
	22	37	32	168	112				

Lead Taping & Packaging (IEC 60286–2)

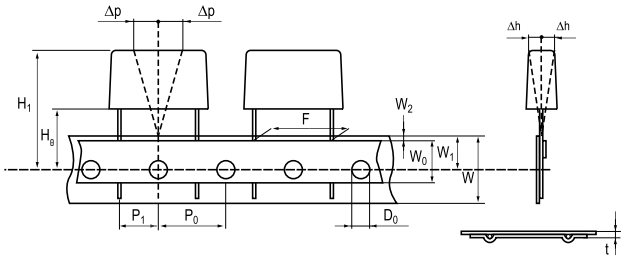
Lead Spacing 5 mm



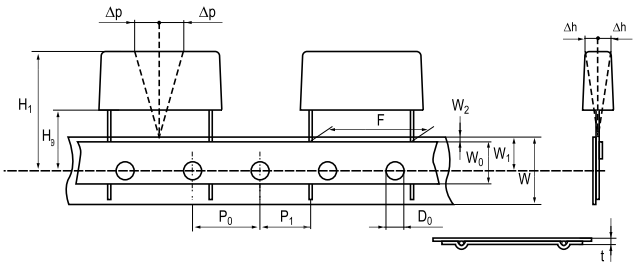
Lead Spacing 7.5 mm



Lead Spacing 10 – 15 mm



Lead Spacing 22.5 – 27.5 mm



Taping Specification

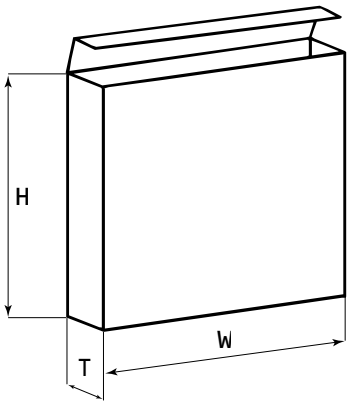
Dimensions in mm									Standard IEC 60286–2
Lead spacing	+6/-0.1	F	5	7.5	10	15	22.5	27.5	F
Carrier tape width	+1/-0.5	W	18	18	18	18	18	18	$18^{+1/-0.5}$
Hold-down tape width	Minimum	W_0	6	6	9	10	10	10	
Position of sprocket hole	+/-0.5	W_1	9	9	9	9	9	9	$9^{+0.75/-0.5}$
Distance between tapes	Maximum	W_2	3	3	3	3	3	3	3
Sprocket hole diameter	+/-0.2	D_0	4	4	4	4	4	4	4
Feed hole lead spacing	+/-0.2(1)	P_0(3)	12.7	12.7	12.7	12.7	12.7	12.7	12.7
Distance lead – feed hole	+/-0.7	P_1	3.85	3.75	7.7	5.2	7.8	5.3	P^1
Deviation tape – plane	Maximum	Δp	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Lateral deviation	+/-2	Δh	2	2	2	2	2	2	2
Total thickness	+/-0.2	t	0.7	0.7	0.7	0.7	0.9^{MAX}	0.9^{MAX}	0.9^{MAX}
Sprocket hole/cap body	+/-0.5	H_0(2)	$18.5^{+/-0.5}$	$18.5^{+/-0.5}$	$18.5^{+/-0.5}$	$18.5^{+/-0.5}$	$18.5^{+/-0.5}$	$18.5^{+/-0.5}$	$18^{+2/-0}$

(1) Maximum cumulative feed hole error, 1 mm per 20 parts.
(2) 16.5 mm available on request.
(3) 15 mm available on request (F ≥ 10 mm).

Lead Taping & Packaging (IEC 60286–2) cont'd

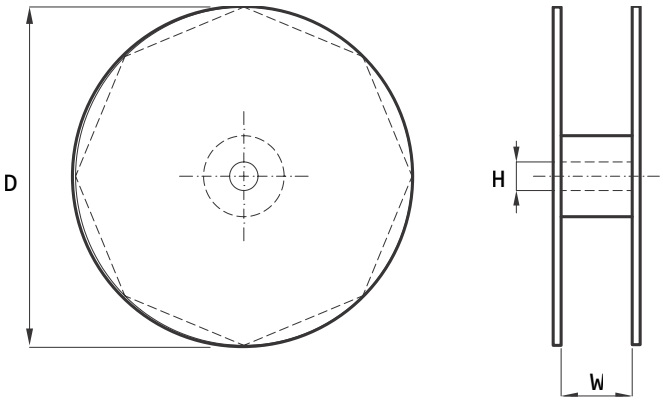
Ammo Specifications

Series	Dimensions (mm)		
	H	W	T
R4x, R4x+R, R7x, RSB	360	340	59
F5A, F5B, F5D			
F6xx, F8xx			
PHExxx, PMExxx, PMRxxx	330	330	50



Reel Specifications

Series	Dimensions (mm)		
	D	H	W
R4x, R4x+R, R7x, RSB	355 500	30 25	55 (Max)
F5A, F5B, F5D			
F6xx, F8xx			
PHExxx, PMExxx, PMRxxx	360 500	30	46 (Max)



Manufacturing Date Code (IEC–60062)

Y = Year, Z = Month			
Year	Code	Month	Code
2000	M	January	1
2001	N	February	2
2002	P	March	3
2003	R	April	4
2004	S	May	5
2005	T	June	6
2006	U	July	7
2007	V	August	8
2008	W	September	9
2009	X	October	O
2010	A	November	N
2011	B	December	D
2012	C		
2013	D		
2014	E		
2015	F		
2016	H		
2017	J		
2018	K		
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2020	M		

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Other KEMET Resources

Tools	
Resource	Location
Configure A Part: CapEdge	http://capacitoredge.kemet.com
SPICE & FIT Software	http://www.kemet.com/spice
Search Our FAQs: KnowledgeEdge	http://www.kemet.com/keask

Product Information	
Resource	Location
Products	http://www.kemet.com/products
Technical Resources (Including Soldering Techniques)	http://www.kemet.com/technicalpapers
RoHS Statement	http://www.kemet.com/rohs
Quality Documents	http://www.kemet.com/qualitydocuments

Product Request	
Resource	Location
Sample Request	http://www.kemet.com/sample
Engineering Kit Request	http://www.kemet.com/kits

Contact	
Resource	Location
Website	www.kemet.com
Contact Us	http://www.kemet.com/contact
Investor Relations	http://www.kemet.com/ir
Call Us	1-877-MyKEMET
Twitter	http://twitter.com/kemetcapacitors

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

Digitally signed by Marcy Brand
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