

High Voltage Goldmax, 600 Series, Conformally Coated, X7R Dielectric, 500 – 3,000 VDC (Commercial Grade)

Overview

KEMET's 600 Series High Voltage Goldmax conformally coated radial leaded ceramic capacitors meet special lead spacing requirements per MIL-PRF 49467. Offered in X7R dielectric, these capacitors feature a 125°C maximum operating temperature and are considered temperature stable. The Electronics Industries Alliance (EIA) characterizes X7R dielectric as a Class II material. Components of this classification are fixed, ceramic dielectric capacitors suited for bypass and decoupling applications or for frequency discriminating circuits where Q and stability of capacitance characteristics are not critical. X7R exhibits a predictable change in capacitance with respect to time and voltage and boasts

a minimal change in capacitance with reference to ambient temperature. Capacitance change is limited to $\pm 15\%$ from -55°C to $+125^{\circ}\text{C}$.

These devices offer low leakage current, exhibit low ESR at high frequencies and find conventional use as snubbers or filters in applications such as switching power supplies and in lighting ballasts. Their exceptional performance at high frequencies has made them a preferred choice of design engineers worldwide. In addition to their use in power supplies, these capacitors are widely used in industries related to telecommunications, medical, military, aerospace, semiconductor and test/diagnostic equipment.

Benefits

- Radial leaded form factor
- Conformally coated
- Lead-spacing per MIL-PRF 49467
- Operating temperature range of -55°C to $+125^{\circ}\text{C}$
- RoHS and REACH compliant
- X7R temperature stable dielectric
- DC voltage ratings of 500 V, 1 KV, 1.5 KV, 2 KV, 2.5 KV and 3 KV



Ordering Information

C	627			C	224	K	C	R	5	T	A	7301
Ceramic	Style/Size			Specification/ Series	Capacitance Code (pF)	Capacitance Tolerance ¹	Rated Voltage (VDC)	Dielectric	Design	Lead Finish ²	Failure Rate	Packaging (C-Spec)
	617	637	648	C = Standard	First two digits represent significant figure Alternative	$\phi 5 \text{ } \bar{O}$						
	622	638	657									
	623	640	658									
	627	641	667									
	628	642	668									
	630	643										
	631	647										

1: 60% Tin (Sn)/40% Lead (Pb) finish with copper-clad steel core ("H" designation).

Alternative 2: 60% Tin (Sn)/40% Lead (Pb) finish with 100% copper core (available with "H" designation code with C-Spec). Contact KEMET for C-Spec details.

Benefits cont'd

- Capacitance offerings ranging from 150 pF to 2.9 μ F
- Available capacitance tolerances of $\pm 10\%$, $\pm 20\%$ and $+80\%/-20\%$
- High temperature solder lead attach
- Non-polar device, minimizing installation concerns
- 100% pure matte tin-plated lead finish allowing for excellent solderability
- SnPb-plated lead finish option available upon request (Sn60/Pb40)
- Encapsulation meets famability standard UL 94V-0

Applications

Typical applications include switch mode power supplies (input filters, resonators, tank circuits, snubber circuits, output filters), high voltage coupling and DC blocking, lighting ballasts, voltage multiplier circuits, DC/DC converters and coupling capacitors in Cuk converters. Markets include power supply, LCD fluorescent backlight ballasts, HID lighting, telecom equipment, industrial and medical equipment/control, LAN/WAN interface, analog and digital modems, and automotive. X7R dielectrics are not designed for AC line filtering applications.

Application Notes

X7R dielectric is not recommended for AC line filtering or pulse applications.

Packaging C-Spec Ordering Options Table

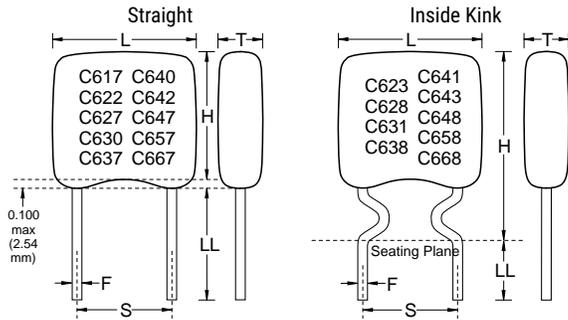
Packaging Type ¹	Packaging/Grade Ordering Code (C-Spec)
Bulk Bag	Not required (Blank)
12" Reel/16.0 mm ± 0.5 lead length	7301
12" Reel/18.0 mm minimum lead length	7303

¹ Default packaging is "Bulk Bag". An ordering code C-Spec is not required for "Bulk Bag" packaging. For more information see "Tape & Reel Packaging Information".

Qualification/Certification

Commercial Grade products are subject to internal qualification. Details regarding test methods and conditions are referenced in Table 2, Performance & Reliability.

Dimensions – Inches (Millimeters)



Series	Style/Size	S Lead Spacing Nominal	L Length Maximum	H Height Maximum	T Thickness Maximum	F Lead Diameter Nominal	LL Lead Length Minimum
C61X	617	0.170 (4.32)	0.250 (6.35)	0.220 (5.59)	0.200 (5.08)	0.025 (0.64)	0.276 (7.00)
C62X	622	0.220 (5.59)	0.320 (8.13)	0.280 (7.11)	0.250 (6.35)		
	623	0.220 (5.59)	0.320 (8.13)	0.500 (12.70)	0.250 (6.35)		
	627	0.275 (6.98)	0.370 (9.40)	0.300 (7.62)	0.250 (6.35)		
	628	0.275 (6.98)	0.370 (9.40)	0.520 (13.20)	0.250 (6.35)		
C63X	630	0.300 (7.62)	0.450 (11.40)	0.220 (5.59)	0.200 (5.08)		
	631	0.300 (7.62)	0.450 (11.40)	0.440 (11.17)	0.200 (5.08)		
	637	0.375 (9.52)	0.470 (11.90)	0.400 (10.20)	0.270 (6.89)		
	638	0.375 (9.52)	0.470 (11.90)	0.620 (15.74)	0.270 (6.89)		
C64X	640	0.400 (10.16)	0.550 (14.00)	0.280 (7.11)	0.250 (6.35)		
	641	0.400 (10.16)	0.550 (14.00)	0.780 (19.81)	0.250 (6.35)		
	642	0.400 (10.16)	0.500 (12.70)	0.560 (14.22)	0.200 (5.08)		
	643	0.400 (10.16)	0.500 (12.70)	0.780 (19.81)	0.200 (5.08)		
	647	0.475 (12.06)	0.570 (14.50)	0.500 (12.70)	0.270 (6.89)		
C65X	648	0.475 (12.06)	0.570 (14.50)	0.720 (18.28)	0.270 (6.89)		
	657	0.575 (14.60)	0.670 (17.02)	0.600 (15.24)	0.270 (6.89)		
C66X	658	0.575 (14.60)	0.670 (17.02)	0.820 (20.82)	0.270 (6.89)		
	667	0.675 (17.14)	0.770 (19.56)	0.720 (18.29)	0.270 (6.89)		
	668	0.675 (17.14)	0.770 (19.56)	0.940 (23.87)	0.270 (6.89)		

Environmental Compliance

REACH and RoHS compliant with exemption when ordered with a 100% tin (Sn) wire lead finish. Product ordered with tin/lead (Sn60/Pb40) wire lead finish do not meet RoHS criteria.

Series	Termination Finish (Wire Lead)	RoHS Compliant	RoHS Exemption Code ¹	REACH Compliant ²	Halogen Free
600 (C6XX)	100% Matte Sn	Yes	7(c)-II	Yes	Yes
	Sn60/Pb40	No	n/a	Yes	Yes

¹ 7(c)-II: Lead in dielectric ceramic in capacitors for a rated voltage of 125 VAC or 250 VDC or higher

² REACH compliance indicates product *does not* contain Substance/s of Very High Concern (SVHC)

Electrical Parameters/Characteristics

Item	Parameters/Characteristics
Operating Temperature Range	-55°C to +125°C
Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC)	±15%
Aging Rate (Maximum % Cap Loss/Decade Hour)	3.0%
Dielectric Withstanding Voltage	150% of rated voltage for voltage rating of < 1,000 V 120% of rated voltage for voltage rating of ≥ 1,000 V (5±1 second and charge/discharge not exceeding 50 mA)
Dissipation Factor (DF) Maximum Limit at 25°C	2.5%
Insulation Resistance (IR) Limit at 25°C	1,000 megohm microfarads or 100 GΩ (500 VDC applied for 120±5 seconds at 25°C)

Regarding aging rate: Capacitance measurements (including tolerance) are indexed to a referee time of 1,000 hours.

To obtain IR limit, divide MΩ-μF value by the capacitance and compare to GΩ limit. Select the lower of the two limits.

Capacitance and dissipation factor (DF) measured under the following conditions:

1 MHz ±100 kHz and 1.0 V_{rms} ±0.2 V if capacitance ≤ 1,000 pF

1 kHz ±50 Hz and 1.0 V_{rms} ±0.2 V if capacitance > 1,000 pF

Note: When measuring capacitance it is important to ensure the set voltage level is held constant. The HP4284 and Agilent E4980 have a feature known as Automatic Level Control (ALC). The ALC feature should be switched to "ON."

Post Environmental Limits

High Temperature Life, Biased Humidity and Storage Life					
Style/Size	Rated DC Voltage	Capacitance Value	Dissipation Factor (Maximum %)	Capacitance Shift	Insulation Resistance
All	All	All	3.0	± 20%	10% of Initial Limit

Table 1A – C617 Style/Size, Capacitance Range Waterfall

C617 Style/Size (0.170" Lead Spacing)					
Rated Voltage (VDC)		500	1000	1500	2000
Voltage Code		C	D	F	G
Capacitance	Capacitance Tolerance	Capacitance Code (Available Capacitance)			
820pF	K = ±10% M = ±20% Z = +80%, -20%	821	821	821	821
1000pF		102	102	102	102
1200pF		122	122	122	122
1500pF		152	152	152	152
1800pF		182	182	182	182
2200pF		222	222	222	222
2700pF		272	272	272	272
3300pF		332	332	332	332
3900pF		392	392	392	392
4700pF		472	472	472	472
5600pF		562	562		
6800pF		682	682		
8200pF		822	822		
0.01µF		103	103		
0.012µF		123	123		
0.015µF		153	153		
0.018µF		183	183		
0.022µF		223	223		
0.027µF		273			
0.033µF		333			
0.039µF	393				
0.047µF	473				
0.056µF	563				
0.068µF	683				
0.082µF	823				
Rated Voltage (VDC)		500	1000	1500	2000
Voltage Code		C	D	F	G

Table 1B – C622 and C623 Style/Size, Capacitance Range Waterfall

C622 and C623 Style/Size (0.220" Lead Spacing)						
Rated Voltage (VDC)		500	1000	1500	2000	3000
Voltage Code		C	D	F	G	H
Capacitance	Capacitance Tolerance	Capacitance Code (Available Capacitance)				
820pF	K = ±10% M = ±20% Z = +80%, -20%	821	821	821	821	821
1000pF		102	102	102	102	102
1200pF		122	122	122	122	122
1500pF		152	152	152	152	152
1800pF		182	182	182	182	182
2200pF		222	222	222	222	222
2700pF		272	272	272	272	272
3300pF		332	332	332	332	332
3900pF		392	392	392	392	392
4700pF		472	472	472	472	472
5600pF		562	562	562	562	
6800pF		682	682	682	682	
8200pF		822	822	822	822	
0.01µF		103	103	103	103	
0.012µF		123	123	123	123	
0.015µF		153	153			
0.018µF		183	183			
0.022µF		223	223			
0.027µF		273	273			
0.033µF		333	333			
0.039µF		393	393			
0.047µF		473	473			
0.056µF		563	563			
0.068µF		683	683			
0.082µF		823				
0.1µF		104				
0.12µF		124				
0.15µF	154					
0.18µF	184					
Rated Voltage (VDC)		500	1000	1500	2000	3000
Voltage Code		C	D	F	G	H

Table 1C – C627 and C628 Style/Size, Capacitance Range Waterfall

C627 and C628 Style/Size (0.275" Lead Spacing)						
Rated Voltage (VDC)		500	1000	1500	2000	3000
Voltage Code		C	D	F	G	H
Capacitance	Capacitance Tolerance	Capacitance Code (Available Capacitance)				
680pF	K = ±10% M = ±20% Z = +80%, -20%	681	681	681	681	681
820pF		821	821	821	821	821
1000pF		102	102	102	102	102
1200pF		122	122	122	122	122
1500pF		152	152	152	152	152
1800pF		182	182	182	182	182
2200pF		222	222	222	222	222
2700pF		272	272	272	272	272
3300pF		332	332	332	332	332
3900pF		392	392	392	392	392
4700pF		472	472	472	472	472
5600pF		562	562	562	562	562
6800pF		682	682	682	682	
8200pF		822	822	822	822	
0.01µF		103	103	103	103	
0.012µF		123	123	123	123	
0.015µF		153	153	153	153	
0.018µF		183	183			
0.022µF		223	223			
0.027µF		273	273			
0.033µF		333	333			
0.039µF		393	393			
0.047µF		473	473			
0.056µF		563	563			
0.068µF		683	683			
0.082µF		823	823			
0.1µF		104	104			
0.12µF		124				
0.15µF		154				
0.18µF		184				
0.22µF	224					
0.27µF	274					
Rated Voltage (VDC)		500	1000	1500	2000	3000
Voltage Code		C	D	F	G	H

Table 1D – C630 and C631 Style/Size, Capacitance Range Waterfall

C630 and C631 Style/Size (0.300" Lead Spacing)							
Rated Voltage (VDC)		500	1000	1500	2000	2500	3000
Voltage Code		C	D	F	G	Z	H
Capacitance	Capacitance Tolerance	Capacitance Code (Available Capacitance)					
150pF	K = ±10% M = ±20% Z = +80%, -20%	151	151	151	151	151	151
180pF		181	181	181	181	181	181
220pF		221	221	221	221	221	221
270pF		271	271	271	271	271	271
330pF		331	331	331	331	331	331
390pF		391	391	391	391	391	391
470pF		471	471	471	471	471	471
560pF		561	561	561	561	561	561
680pF		681	681	681	681	681	681
820pF		821	821	821	821	821	821
1000pF		102	102	102	102	102	102
1200pF		122	122	122	122	122	122
1500pF		152	152	152	152	152	152
1800pF		182	182	182	182	182	182
2200pF		222	222	222	222	222	222
2700pF		272	272	272	272	272	272
3300pF		332	332	332	332	332	332
3900pF		392	392	392	392		
4700pF		472	472	472	472		
5600pF		562	562	562	562		
6800pF		682	682	682	682		
8200pF		822	822	822	822		
0.01µF		103	103	103	103		
0.012µF		123	123				
0.015µF		153	153				
0.018µF		183	183				
0.022µF		223	223				
0.027µF		273	273				
0.033µF		333	333				
0.039µF		393	393				
0.047µF		473	473				
0.056µF		563	563				
0.068µF		683					
0.082µF	823						
0.1µF	104						
0.12µF	124						
0.15µF	154						
0.18µF	184						
Rated Voltage (VDC)		500	1000	1500	2000	2500	3000
Voltage Code		C	D	F	G	Z	H

Table 1E – C637 and C638 Style/Size, Capacitance Range Waterfall

C637 and C638 Style/Size (0.375" Lead Spacing)							
Rated Voltage (VDC)		500	1000	1500	2000	2500	3000
Voltage Code		C	D	F	G	Z	H
Capacitance	Capacitance Tolerance	Capacitance Code (Available Capacitance)					
1000pF	K = ±10% M = ±20% Z = +80%, -20%	102	102	102	102	102	102
1200pF		122	122	122	122	122	122
1500pF		152	152	152	152	152	152
1800pF		182	182	182	182	182	182
2200pF		222	222	222	222	222	222
2700pF		272	272	272	272	272	272
3300pF		332	332	332	332	332	332
3900pF		392	392	392	392	392	392
4700pF		472	472	472	472	472	472
5600pF		562	562	562	562	562	562
6800pF		682	682	682	682	682	682
8200pF		822	822	822	822	822	822
0.01µF		103	103	103	103	103	103
0.012µF		123	123	123	123	123	123
0.015µF		153	153	153	153	153	153
0.018µF		183	183	183	183		
0.022µF		223	223	223	223		
0.027µF		273	273	273	273		
0.033µF		333	333	333	333		
0.039µF		393	393				
0.047µF		473	473				
0.056µF		563	563				
0.068µF		683	683				
0.082µF		823	823				
0.1µF		104	104				
0.12µF		124	124				
0.15µF		154	154				
0.18µF		184	184				
0.22µF		224	224				
0.27µF		274	274				
0.33µF	334						
0.39µF	394						
0.47µF	474						
0.56µF	564						
Rated Voltage (VDC)		500	1000	1500	2000	2500	3000
Voltage Code		C	D	F	G	Z	H

Table 1F – C640 and C641 Style/Size, Capacitance Range Waterfall

C640 and C641 Style/Size (0.400" Lead Spacing)					
Rated Voltage (VDC)		500	1000	2000	3000
Voltage Code		C	D	G	H
Capacitance	Capacitance Tolerance	Capacitance Code (Available Capacitance)			
680pF	K = ±10% M = ±20% Z = +80%, -20%	681	681	681	681
820pF		821	821	821	821
1000pF		102	102	102	102
1200pF		122	122	122	122
1500pF		152	152	152	152
1800pF		182	182	182	182
2200pF		222	222	222	222
2700pF		272	272	272	272
3300pF		332	332	332	332
3900pF		392	392	392	392
4700pF		472	472	472	472
5600pF		562	562	562	562
6800pF		682	682	682	682
8200pF		822	822	822	822
0.01µF		103	103	103	103
0.012µF		123	123	123	
0.015µF		153	153	153	
0.018µF		183	183	183	
0.022µF		223	223	223	
0.027µF		273	273	273	
0.033µF		333	333	333	
0.039µF		393	393		
0.047µF		473	473		
0.056µF		563	563		
0.068µF		683	683		
0.082µF		823	823		
0.1µF		104	104		
0.12µF		124	124		
0.15µF		154	154		
0.18µF		184			
0.22µF	224				
0.27µF	274				
0.33µF	334				
0.39µF	394				
Rated Voltage (VDC)		500	1000	2000	3000
Voltage Code		C	D	G	H

Table 1G – C642 and C643 Style/Size, Capacitance Range Waterfall

C642 and C643 Style/Size (0.400" Lead Spacing)					
Rated Voltage (VDC)		500	1000	2000	3000
Voltage Code		C	D	G	H
Capacitance	Capacitance Tolerance	Capacitance Code (Available Capacitance)			
1200pF	K = ±10% M = ±20% Z = +80%, -20%	122	122	122	122
1500pF		152	152	152	152
1800pF		182	182	182	182
2200pF		222	222	222	222
2700pF		272	272	272	272
3300pF		332	332	332	332
3900pF		392	392	392	392
4700pF		472	472	472	472
5600pF		562	562	562	562
6800pF		682	682	682	682
8200pF		822	822	822	822
0.01µF		103	103	103	103
0.012µF		123	123	123	123
0.015µF		153	153	153	
0.018µF		183	183		
0.022µF		223	223		
0.027µF		273	273		
0.033µF		333	333		
0.039µF		393	393		
0.047µF		473	473		
0.056µF		563	563		
0.068µF		683	683		
0.082µF		823	823		
0.1µF		104	104		
0.12µF		124	124		
0.15µF		154	154		
0.18µF		184	184		
0.22µF		224	224		
0.27µF		274			
0.33µF		334			
0.39µF		394			
0.47µF		474			
0.56µF		564			
0.68µF	684				
0.82µF	824				
Rated Voltage (VDC)		500	1000	2000	3000
Voltage Code		C	D	G	H

Table 1H – C647 and C648 Style/Size, Capacitance Range Waterfall

C647 & C648 Style/ Size (0.475" Lead Spacing)					
Rated Voltage (VDC)		500	1000	2000	3000
Voltage Code		C	D	G	H
Capacitance	Capacitance Tolerance	Capacitance Code (Available Capacitance)			
1000pF	K = ±10% M = ±20% Z = +80%, -20%	102	102	102	102
1200pF		122	122	122	122
1500pF		152	152	152	152
1800pF		182	182	182	182
2200pF		222	222	222	222
2700pF		272	272	272	272
3300pF		332	332	332	332
3900pF		392	392	392	392
4700pF		472	472	472	472
5600pF		562	562	562	562
6800pF		682	682	682	682
8200pF		822	822	822	822
0.01µF		103	103	103	103
0.012µF		123	123	123	123
0.015µF		153	153	153	153
0.018µF		183	183	183	183
0.022µF		223	223	223	223
0.027µF		273	273	273	273
0.033µF		333	333	333	333
0.039µF		393	393	393	393
0.047µF		473	473	473	473
0.056µF		563	563	563	563
0.068µF		683	683	683	683
0.082µF		823	823	823	823
0.1µF		104	104	104	104
0.12µF		124	124		
0.15µF		154	154		
0.18µF		184	184		
0.22µF		224	224		
0.27µF		274	274		
0.33µF		334	334		
0.39µF		394	394		
0.47µF		474	474		
0.56µF	564				
0.68µF	684				
0.82µF	824				
1.0µF	105				
1.2µF	125				
Rated Voltage (VDC)		500	1000	2000	3000
Voltage Code		C	D	G	H

Table 11 – C657 and C658 Style/Size, Capacitance Range Waterfall

C657 & C658 Style/Size (0.575" Lead Spacing)					
Rated Voltage (VDC)		500	1000	2000	3000
Voltage Code		C	D	G	H
Capacitance	Capacitance Tolerance	Capacitance Code (Available Capacitance)			
2200pF	K = ±10% M = ±20% Z = +80%, -20%	222	222	222	222
2700pF		272	272	272	272
3300pF		332	332	332	332
3900pF		392	392	392	392
4700pF		472	472	472	472
5600pF		562	562	562	562
6800pF		682	682	682	682
8200pF		822	822	822	822
0.01µF		103	103	103	103
0.012µF		123	123	123	123
0.015µF		153	153	153	153
0.018µF		183	183	183	183
0.022µF		223	223	223	223
0.027µF		273	273	273	273
0.033µF		333	333	333	333
0.039µF		393	393	393	393
0.047µF		473	473	473	473
0.056µF		563	563	563	
0.068µF		683	683	683	
0.082µF		823	823	823	
0.1µF		104	104	104	
0.12µF		124	124	124	
0.15µF		154	154		
0.18µF		184	184		
0.22µF		224	224		
0.27µF		274	274		
0.33µF		334	334		
0.39µF		394	394		
0.47µF		474	474		
0.56µF		564	564		
0.68µF		684	684		
0.82µF		824	824		
1.0µF		105			
1.2µF	125				
1.5µF	155				
1.8µF	185				
Rated Voltage (VDC)		500	1000	2000	3000
Voltage Code		C	D	G	H

Table 1J – C667 and C668 Style/Size, Capacitance Range Waterfall

C667 & C668 Style/Size (0.675" Lead Spacing)					
Rated Voltage (VDC)		500	1000	2000	3000
Voltage Code		C	D	G	H
Capacitance	Capacitance Tolerance	Capacitance Code (Available Capacitance)			
2200pF	K = ±10% M = ±20% Z = +80%, -20%	222	222	222	222
2700pF		272	272	272	272
3300pF		332	332	332	332
3900pF		392	392	392	392
4700pF		472	472	472	472
5600pF		562	562	562	562
6800pF		682	682	682	682
8200pF		822	822	822	822
0.01µF		103	103	103	103
0.012µF		123	123	123	123
0.015µF		153	153	153	153
0.018µF		183	183	183	183
0.022µF		223	223	223	223
0.027µF		273	273	273	273
0.033µF		333	333	333	333
0.039µF		393	393	393	393
0.047µF		473	473	473	473
0.056µF		563	563	563	563
0.068µF		683	683	683	683
0.082µF		823	823	823	823
0.1µF		104	104	104	104
0.12µF		124	124	124	
0.15µF		154	154	154	
0.18µF		184	184	184	
0.22µF		224	224		
0.27µF		274	274		
0.33µF		334	334		
0.39µF		394	394		
0.47µF		474	474		
0.56µF		564	564		
0.68µF	684	684			
0.82µF	824	824			
1.0µF	105	105			
1.2µF	125				
1.5µF	155				
1.8µF	185				
2.2µF	225				
2.7µF	275				
2.9µF	295				
Rated Voltage (VDC)		500	1000	2000	3000
Voltage Code		C	D	G	H

Packaging Quantities

Style/ Size	Standard Bulk Quantity	Ammo Pack Quantity Maximum	Reel Quantity Maximum (12" Reel)
617	250/Bag	N/A	1000
622/623	100/Bag		500
627/628			
630/631			
637/638	50/Bag		
640/641			
642/643			
647/648	25		250
657/658			
667/668			

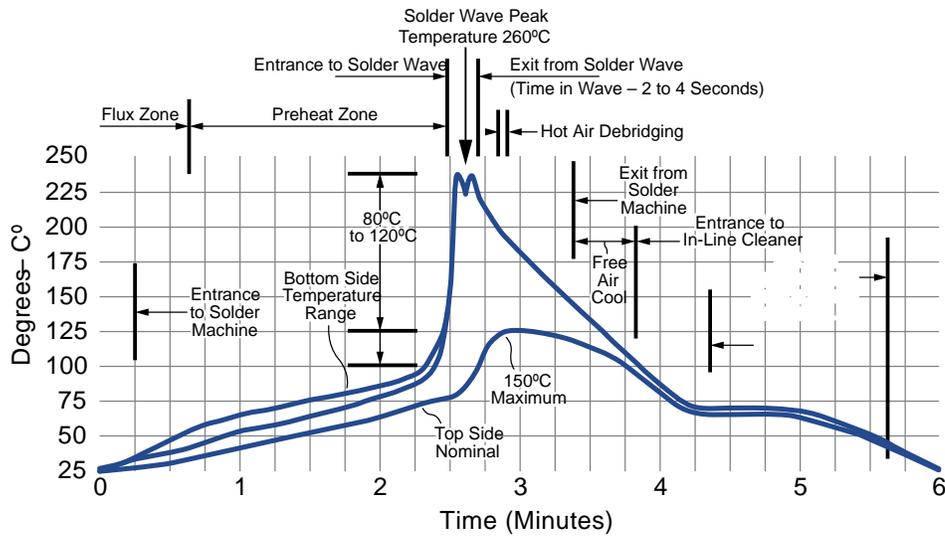
Soldering Process

Recommended Soldering Methods:

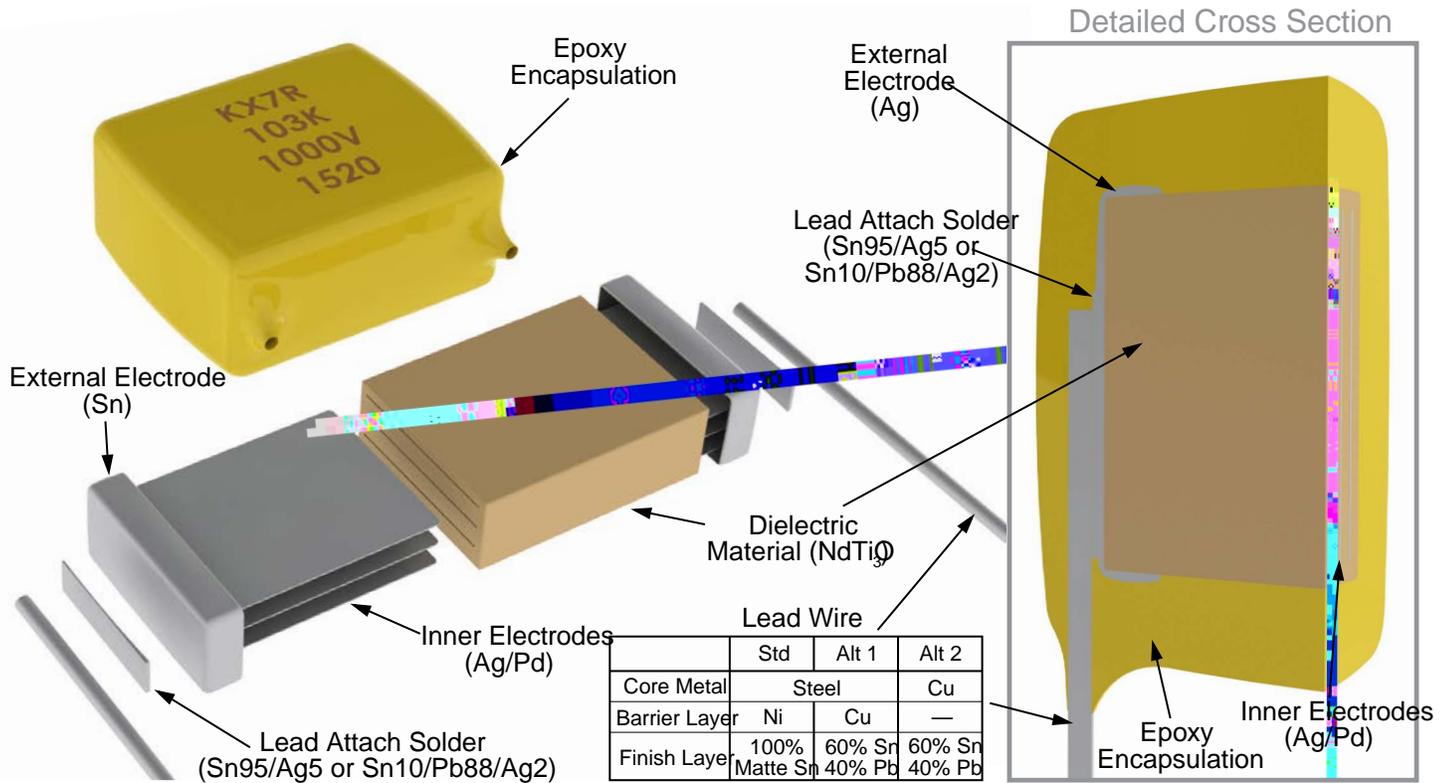
- Solder Wave
- Hand Soldering (Manual)

Recommended Soldering Profile:

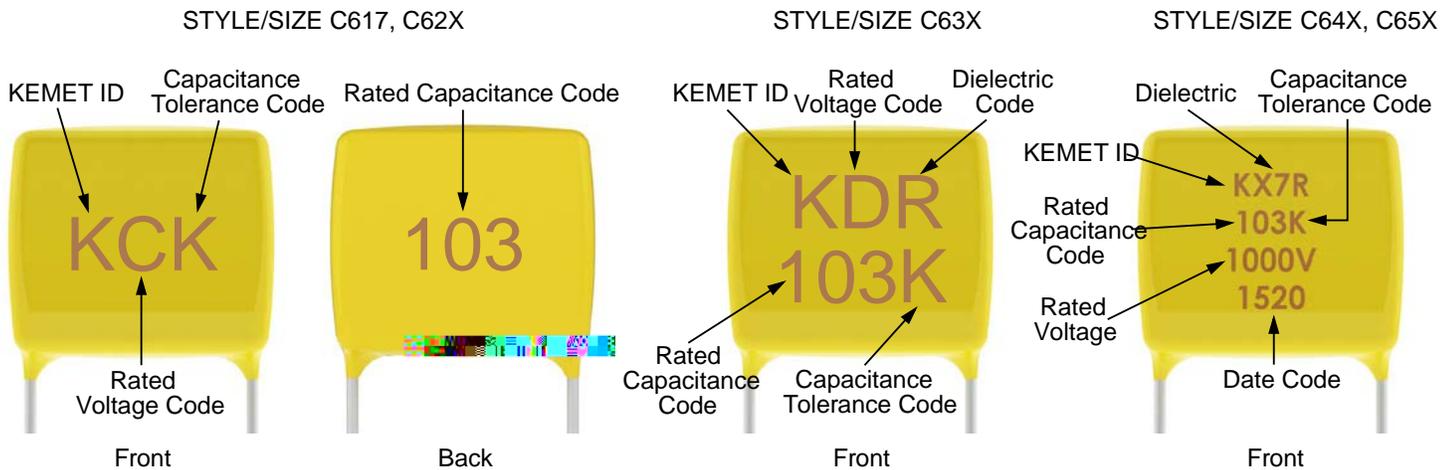
- Optimum Wave Solder Profile



Construction



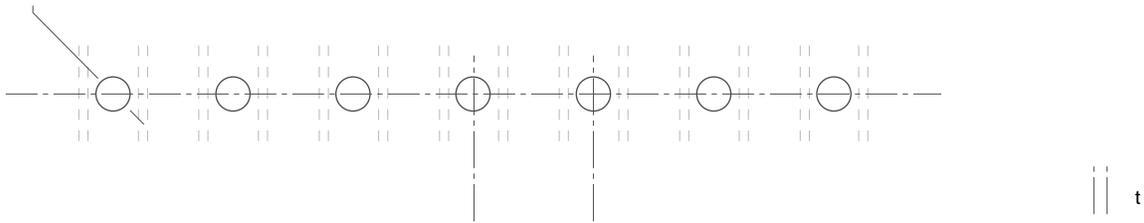
Marking



Date Code	
15	20
Manufacturing Year: 15 = 2015	Manufacturing Week: 20 = Week 20 (of mfg. calendar year)

Tape & Reel Packaging Information

KEMET offers standard reeling of Molded and Conformally Coated Radial Ledged Capacitors in accordance with EIA standard 468. Parts are taped to a tagboard carrier strip, and wound on a reel as shown in Figure 1. Kraft paper interleaving is inserted between the layers of capacitors on the reel. Ammopack is also available, with the same lead tape configuration and package quantities.



Ceramic Radial Tape and Reel Dimensions

Metric will govern

Constant Dimensions – Millimeters (Inches)								
D_0 ± 0.2 (0.008)	P_0 ± 0.3 (0.012)	ΔH ± 0.2 (0.008)	L_1 Maximum	t ± 0.2 (0.008)	T Maximum	W $+1.0/-0.5$ ($+0.039/-0.020$)	W_0 Minimum	W_2 Maximum
4.00 (0.157)	12.7 (0.500)	4.0 (0.157)	1.0 (0.039)	0.7 (0.051)	1.5 (0.059)	18.0 (0.709)	5.0 (0.197)	3.0 (0.118)

KEMET Electronic Corporation Sales Offices

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