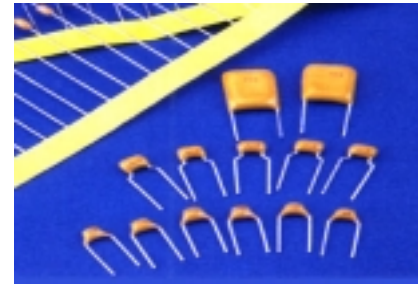


# MULTILAYER CERAMIC CAPACITORS

## RADIAL LEADS, MINIATURE

# CER SERIES



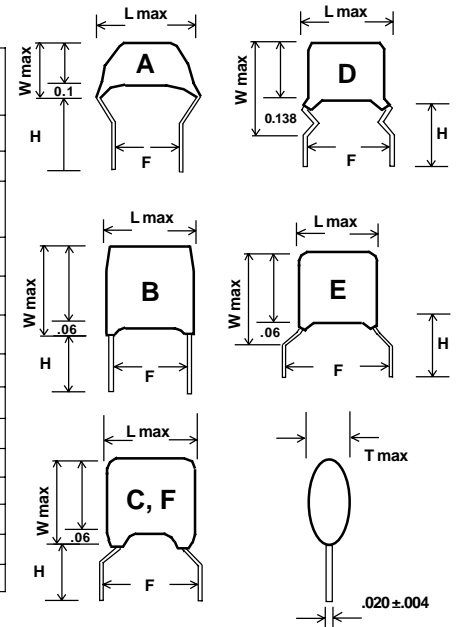
### FEATURES

- Conformal coated and miniature size
- Wide range of capacitance, tolerance, TC, and voltage
- Radial lead design
- COG (NPO), X7R, Z5U and Y5V temperature coefficients
- Tape and reel packaging
- Standard industry sizes
- Increased voltage ratings available

### DIMENSIONS

Size	Capacitor Style	F ± .008	H Min.	L Max.	W Max.	T Max.
CER10	A	.100 [2.54]	.197 [5.00]	.165 [4.2]	.150 [3.8]	.150 [3.80]
CER10	B	.100 [2.54]	.393 [10.0]	.165 [4.2]	.150 [3.8]	.150 [3.80]
CER10	C	.200 [5.08]	.197 [5.00] .393 [10.0]	.165 [4.2]	.150 [3.8]	.150 [3.80]
CER10	D	.200 [5.08]	.197 [5.00]	.165 [4.2]	.150 [3.8]	.150 [3.80]
CER10	E	.200 [5.08]	.197 [5.00] .393 [10.0]	.165 [4.2]	.150 [3.8]	.150 [3.80]
CER10	F	.295 [7.50]	.197 [5.00]	.165 [4.2]	.150 [3.8]	.150 [3.80]
CER12	A	.100 [2.54]	.393 [10.0]	.197 [5.0]	.177 [4.5]	.150 [3.80]
CER12	B	.138 [3.50]	.393 [10.0]	.197 [5.0]	.177 [4.5]	.150 [3.80]
CER12	C	.200 [5.08]	.393 [10.0]	.197 [5.0]	.177 [4.5]	.150 [3.80]
CER14	B	.138 [3.50]	.393 [10.0]	.300 [7.6]	.216 [5.5]	.150 [3.80]
CER14	C	.200 [5.08]	.393 [10.0]	.300 [7.6]	.216 [5.5]	.150 [3.80]
CER15	B	.187 [4.75]	.393 [10.0]	.335 [8.5]	.335 [8.5]	.150 [3.80]
CER16	B	.216 [5.5]	.393 [10.0]	.413 [10.5]	.374 [9.5]	.165 [4.2]
CER17	B	.295 [7.5]	.393 [10.0]	.492 [12.5]	.413 [10.5]	.165 [4.2]

### CAP STYLE



### PERFORMANCE

CHARACTERISTICS	COG (NPO)	X7R	Z5U/Y5V
Working Voltage	25, 50, 100 volts	25, 50, 100 volts	25, 50 volts
Capacitance Tolerance	±1%(F), ±2%(G), ±5%(J), ±10%(K)	±5%(J), ±10%(K), ±20%(M)	±20%(M) TO +80 - 20%(Z)
Operating Temperature Range	-55°C TO +125°C	-55°C TO +125°C	(Z5U) +10°C TO +85°C (Y5V) -30°C TO +85°C
Temperature Characteristics	0 ± 30ppm/°C	±15% (0Vdc)	(Z5U) +22 -56% (Y5V) +22 -82%
Dissipation Factor (at 25°C)	0.15% Max.	2.5% Max.	4.0% Max.
Insulation Resistance	100 gigohms or 1000 megohms x uF, whichever is less	100 gigohms or 1000 megohms x uF, whichever is less	10 gigohms or 1000 megohms x uF, whichever is less

SIZE	WVDC	CAPACITANCE RANGE (3-digit code)		
		COG (NPO)	X7R	Z5U/Y5V
CER10	25	0R5 - 332	331 - 104	103 - 105
	50	0R5 - 222	331 - 473	103 - 684
	100	0R5 - 102	331 - 223	-
CER12	25	0R5 - 682	102 - 224	103 - 125
	50	0R5 - 472	102 - 104	103 - 105
	100	0R5 - 392	102 - 683	-
CER14	25	561 - 103	102 - 334	104 - 155
	50	561 - 682	102 - 224	104 - 155
	100	561 - 472	102 - 104	-
CER15	25	102 - 153	103 - 474	154 - 335
	50	102 - 103	103 - 334	154 - 325
	100	102 - 682	103 - 224	-
CER16	25	102 - 223	103 - 105	684 - 475
	50	102 - 223	103 - 105	684 - 335
	100	102 - 103	103 - 474	-
CER17	25	102 - 104	103 - 225	105 - 106
	50	103 - 473	103 - 225	105 - 685
	100	103 - 333	103 - 105	-

STANDARD PACKAGING		
T/R	Ammo	Bulk
4000	2500	1000

### P/N DESIGNATION:

