

### FEATURES

- HIGH CV AVAILABLE IN LARGE SIZES
- SPECIAL ARC PROTECTION COATING AVAILABLE
- HIGH VOLTAGE RATINGS AVAILABLE
- FLEXABLE TERMINATION AVAILABLE
- HIGH RELIABILITY SCREENING AVAILABLE
- Pd/Ag, 100% Sn WITH OPTIONAL 90/10Sn/Pb TERMINATION
- EIA SIZE CODES
- RoHS COMPLIANT



### APPLICATIONS

- POWER SUPPLIES
- SURGE PROTECTION
- SNUBBER
- CONVERTERS
- VOLTAGE MULTIPLIERS
- ISOLATION
- BALLASTS
- CONTROL CIRCUITS

### PART NUMBERING

Part Number Example: CMC-016/104KX0603TF									
CMC	-	050	/	336	K	X	7565	W	F
Type		Rated DC Voltage		Capacitance Code (pF)*	Tolerance Code	Dielectric Material**	Case Size	Package Code***	RoHs Compliant
* Capacitance Code: First two digits represent significant figures, third digit represents multiplier (number of zeros).									
** Dielectric Material: N = NPO, X = X7R									
*** Package Code: T = Tape & Reel, W = Waffle, B = Bulk									

### TOLERANCE CODE

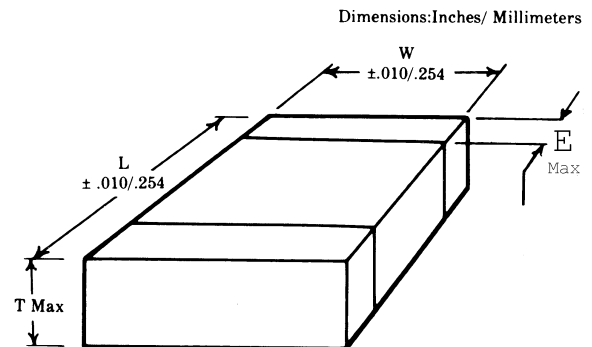
Tolerance	±0.25pF	±0.50pF	±5%	±10%	±20%
Code	C	D	J	K	M

### SPECIFICATIONS

OPERATING TEMPERATURE RANGE :	-55~ +125°C
VOLTAGE RANGE :	50 ~ 8,000 VDC
TEMPERATURE COEFFICIENT :	NPO : ≤ ± 30ppm/ °C, -55~ +125°C (EIA CLASS I)
	X7R : ≤ ± 15%, -55~ +125°C (EIA CLASS II)
CAPACITANCE RANGE :	NPO : 100pF ~ 820nF, X7R : 1000pF ~ 33uF
INSULATION REISTANCE :	10GΩ OR 500 meg Ω x F, WHICHEVER IS SMALLER
DISSIPATION FACTOR (DF %) :	NPO : Q ≥ 1000, X7R : DF ≤ 2.5%
AGING :	NPO : 0%, X7R : 2.5% PER DECADE OF TIME
DIELECTRIC STRENGTH :	V ≤ 500 : 200% RATED V FOR 1 SECOND
	V > 500 <1000 : 150% RATED V FOR 1 SECOND
	V ≥ 1000 : 120% RATED V FOR 1 SECOND

## DIMENSIONS

EIA SIZE	L	W	T (max)	E (min)
1515	3.80±0.50 (.15±.020)	3.80±0.50 (.15±.020)	3.20 (.126)	0.30 (.012)
2520	6.35±0.50 (.25±.020)	5.00±0.50 (.20±.020)	3.20 (.126)	0.30 (.012)
3530	8.90±0.50 (.35±.020)	7.60±0.50 (.30±.020)	5.00 (.200)	0.30 (.012)
3640	9.20±0.50 (.36±.020)	10.2±0.50 (.40±.020)	5.00 (.200)	0.30 (.012)
4540	11.5±0.50 (.45±.020)	10.2±0.50 (.40±.020)	5.00 (.200)	0.30 (.012)
5550	14.0±0.50 (.55±.020)	12.7±0.50 (.50±.020)	5.00 (.200)	0.30 (.012)
6560	16.5±0.50 (.65±.020)	15.3±0.50 (.60±.020)	5.00 (.200)	0.30 (.012)
7565	19.0±0.50 (.75±.020)	16.5±0.50 (.65±.020)	5.00 (.200)	0.30 (.012)



## MAXIMUM CAPACITANCE

SIZE	TC	MAXIMUM CAPACITANCE									
		50V	100V	200V	500V	1KV	2KV	3KV	4KV	5KV	8KV
1515	NPO	473	393	363	103	222	821				
	X7R	225	105	474	124	473	682				
2520	NPO	823	683	563	473	103	392	222	102	471	
	X7R	475	225	474	224	473	153	472	222	102	
3530	NPO	154	134	104	823	253	103	472	332	102	471
	X7R	106	475	225	824	224	473	183	822	472	102
3640	NPO	224	184	124	104	373	153	562	362	122	561
	X7R	126	565	225	105	274	683	273	153	103	182
4540	NPO	284	244	184	154	483	203	962	472	152	621
	X7R	156	685	225	125	394	104	393	223	153	392
5550	NPO	364	304	224	184	683	273	153	562	182	681
	X7R	186	825	275	225	474	124	823	333	223	562
6560	NPO	654	484	404	304	104	423	223	682	332	821
	X7R	226	186	106	335	105	224	104	563	333	103
7565	NPO	844	674	504	474	134	553	283	103	472	102
	X7R	336	226	186	475	125	364	154	823	473	153

CUSTOM VALUES, SIZES AND TEMPERATURE RATINGS (150° C ~ 250° C) ARE AVAILABLE. PLEASE CONTACT SALES FOR MORE INFORMATION