

APPLICATION

- SURGE PROTECTION
- INPUT OR OUTPUT FILTER FOR SWITCHMODE POWER SUPPLY
- DOWN-HOLE DRILLING
- INVERTERS & CONVERTERS
- AUTOMOTIVE
- VOLTAGE MULTIPLIERS
- HIGH TEMPERATURE APPLICATIONS



FEATURES

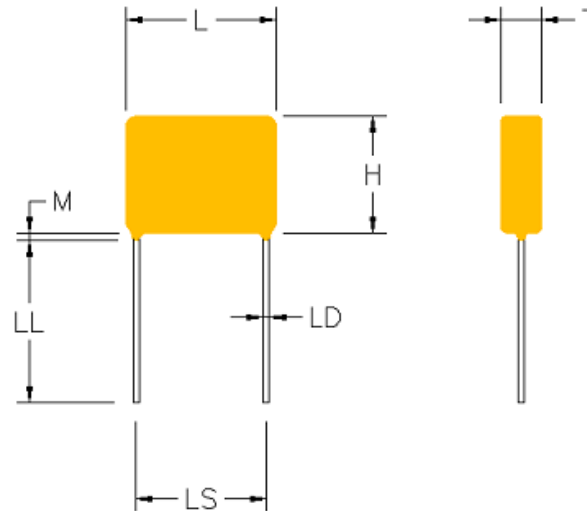
- EXCELLENT FREQUENCY RESPONSE
- WILL WITHSTAND HARSH ENVIRONMENTS
- WILL WITHSTAND HIGH TEMPERATURES
- CUSTOM SIZES AVAILABLE
- VERY HIGH RELIABILITY
- AVAILABE WITH OR WITHOUT Pb SOLDER

PART NUMBERING

Part Number Example: CMRX-050/256KX807T1F										
CMRX	-	050	/	256	K	X8	07	T	1	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: X8 = X8R.										
*** Package Code: T = Tape & Reel, TA = Tape & Ammo, B = Bulk										
**** *1 INDICATES 150 C, 2 INDICATES 175 C (SEE TEMPERATURE COEFFICIENT)										

SPECIFICATIONS

OPERATING TEMPERATURE:	-55~+150°C
RATED VOLTAGE RANGE:	50~1000vdc
TEMPERATURE COEFFICIENT:	X8R: ≤ ±15% FROM -55 TO +150°C (EIA CLASS II) 175°C < +15% -30% FROM -55°C TO 175°C
CAPACITANCE RANGE:	100pF ~ 32μF
CAPACITANCE TOLERANCE:	J ±5%, K ±10% & M ±20%
DISSIPATION FACTOR:	≤ 2.5%
INSULATION RESISTANCE:	10G ohm or 1000 ohm/mfd, WHICHEVER IS LESS
AGING:	1%,
DIELECTRIC WITHSTAND VOLTAGE:	2.5 X RV (RV ≤ 200)
	2 X RV (<500V)
	1.5 X RV (RV = 500V)
	1.2 X RV (RV >500V)



STD LEAD LENGTH (LL)
25.4mm / 1 INCH

DIMENSIONS

SIZE CODE	L	H	T	LS	LD
01	.200(5.08)	.200(5.08)	.200(5.08)	.200(5.08)	.020(.508)
02	.250(6.35)	.220(5.59)	.270(6.86)	.170(4.32)	.025(.635)
03	.300(7.62)	.330(8.38)	.200(5.08)	.200(5.08)	.020(.508)
04	.400(10.16)	.400(10.16)	.200(5.08)	.200(5.08)	.020(.508)
05	.500(12.70)	.500(12.70)	.200(5.08)	.400(10.16)	.025(.635)
06	.870(22.00)	.600(15.20)	.200(5.08)	.790(20.10)	.032(.813)
07	1.100(27.90)	.600(15.20)	.200(5.08)	.980(24.90)	.032(.813)
08	1.100(27.90)	.600(15.20)	.350(8.89)	.980(24.90)	.032(.813)
09	.670(17.00)	.540(13.70)	.200(5.08)	.575(14.60)	.025(.635)
10	.930(23.60)	.720(18.30)	.250(6.35)	.800(20.30)	.032(.813)
11	1.45(36.80)	.720(18.30)	.320(8.13)	1.375(34.90)	.025(.635)
12	.370(9.40)	.300(7.62)	.270(6.86)	.275(6.99)	.025(.635)

MAX CAPACITY VS SIZE

SIZE CODE	50VDC	100VDC	200VDC	500VDC	1000VDC
01	105	824	504	124	163
02	824	684	424	114	153
03	185	165	954	254	303
04	255	225	135	334	403
05	615	565	335	804	184
06	206	186	116	285	664
07	276	256	156	375	804
08	306	286	186	405	105
09	126	106	755	185	374
10	276	256	156	375	804
11	326	306	186	485	105
12	275	255	155	374	823

* CUSTOM SIZES AND VALUES AVAILABLE, PLS CONSULT SALES