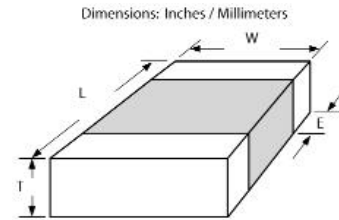


## FEATURES

- NPO (COG) Temperature Coefficients.
- 500VDC ~ 2000VDC.
- NO PIEZO EFFECTS.
- DV/DT >6KV/u second.
- ESR LOW & STABLE @ HIGH FREQUENCY.
- ROHS Compliant.
- CAN BE REFLOW OR WAVE SOLDERED.
- FOR USE IN LIGHTING AND BALLAST CIRCUITS.



## PART NUMBERING

Part Number Example: CMS-630/101JN1206TF									
CMS	-	630	/	101	J	N	1206	T	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									
*** Package Code: T = 7" Tape & Reel, T13 = 13" Tape & Reel, W = Waffle.									

## SPECIFICATIONS

RATED VOLTAGE RANGE	500~2000VDC
OPERATING TEMPERATURE	-55~+125°C
CAPACITANCE RANGE	10pF ~ 2700pF
TEMPERATURE COEFFICIENT	NPO: $\leq \pm 30\text{ppm}/^\circ\text{C}$ -55~ +125°C (EIA CLASS I)
CAPACITY TOLERANCE	$\pm 1\%$ F, $\pm 2\%$ G, $\pm 5\%$ J, $\pm 10\%$ K
INSULATION RESISTANCE	10G $\Omega$
DISSIPATION FACTOR	0.1% max @ 1MHz 25°C
DIELECTRIC WITHSTAND VOLTAGE	1.5 X RATED VOLTS FOR 51 SECONDS
AGING	NPO : 0%

## SIZE AND CAPACITANCE SPECIFICATIONS

EIA	1206	1210
Length	0.126(3.20 +- 0.3 )	0.126(3.20 +- 0.30)
Width	0.062(1.60 +- 0.2)	0.098(2.50 +- 0.20)
Thickness	0.070(1.80 max)	0.102(2.60 max)
Endband	0.020(0.30 min)	0.020(0.30 min.)

## MAXIMUM CAPACITANCE IN pF (EIA)

## DIMENSIONS: INCHES (mm)

TC	SIZE	VOLTAGE	CAPACITY RANGE
NPO	1206	500	100-122
	1210	500	101-272
	1206	630	101-122
	1210	630	101-2700
	1206	1000	220
	1206	2000	470
	1210	2000	331

## TOLERANCE CODE

Tolerance	$\pm 1\%$	$\pm 2\%$	$\pm 5\%$	$\pm 10\%$
Code	F	G	J	K