

FEATURES

- Capacitance ranging from 0.1 μF to 330 μF
- Voltage ratings of 6V – 500V
- Operating temperature rang:
 - 55°C~85°C for X5R
 - 55°C~125°C for X7R
- Epoxy molded, high physical strength
- Tin/Lead solder plated (4% Pb minimum)
- 100% temperature cycling
- 100% accelerated steady state aging



APPLICATIONS

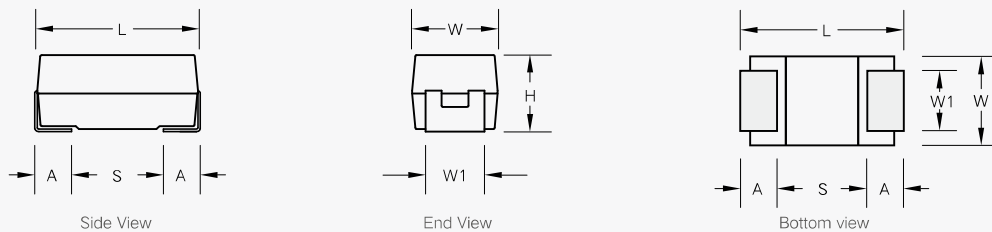
This series is designed for the COTS requirements, it's conditioned with MIL – PRF – 49470 Group A testing, typical applications include decoupling, filtering.

ORDERING INFORMATION

CT45	E	X7R	50V	106	M	T	A
Series	Size code	Dielectric	Rated voltage	Capacitance code(pF)	Capacitance tolerance	Packaging	Test Level For COTS
CT45	A B C G D	X7R X5R	6V 10V 16V 25V 35V 50V 100V 200V 500V	First two digits represent significant figures, Third digit specifies number of zeros. Example: 106=1000000 0pF	K= ± 10% M= ± 20%	T= Bulk E=7" Reel	A B C

DIMENSIONS

Unit: mm



Size code	L ± 0.20	W ^{+0.20} / _{-0.10}	H ^{+0.30} / _{-0.10}	W1 ± 0.20	A ^{+0.30} / _{-0.30}
A	3.20	1.60	1.60	1.20	0.80
B	3.50	2.80	1.90	2.20	0.80
C	6.00	3.20	2.60	2.20	1.30
G	5.30	4.00	6.90	2.40	1.40
D	7.30	4.30	2.90	2.40	1.30

TEST LEVEL

Level A	Level B	Level C
Temperature cycling	Temperature cycling	Temperature cycling
Accelerated steady state aging @48h	Accelerated steady state aging @96h	Accelerated steady state aging @96h
Appearance	Appearance	Resistance to moisture
Solderability	Solderability	Appearance
		Solderability
		Resistance to soldering heat
		Steeping

MARKING

