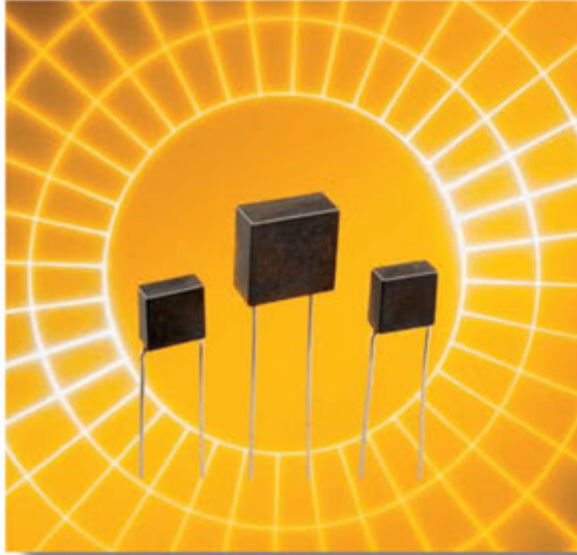


250°C RATED RADIAL LEADED CAPACITORS



KEY FEATURES

- For Use at Temperatures Up to 250°C
- Rated Working Voltages from 50V to 100V
- Rugged Premolded Case with Hi-Temp Epoxy Fill
- Compact MLC Designs Utilizing Military Grade Ceramics
- Custom Sizes, Higher Voltages and Values Available

APPLICATIONS

- For Use in High Temperature Applications, Such as:
 - Oil Well Logging (Downhole)
 - Geophysical Probes
 - Jet Engine Controls

CAPACITANCE VS. VOLTAGE

Size Code	T (max ")	X7R Max Capacitance		NPO Max Capacitance	
		50V	100V	50V	100V
T2C	0.100	.180 μ F	.100 μ F	.015 μ F	.010 μ F
T3A	0.100	.820 μ F	.390 μ F	.056 μ F	.033 μ F
T3B	0.150	1.00 μ F	.820 μ F	.082 μ F	.056 μ F
T5A	0.100	2.20 μ F	1.20 μ F	.180 μ F	.100 μ F
T5B	0.150	3.90 μ F	2.70 μ F	.270 μ F	.220 μ F

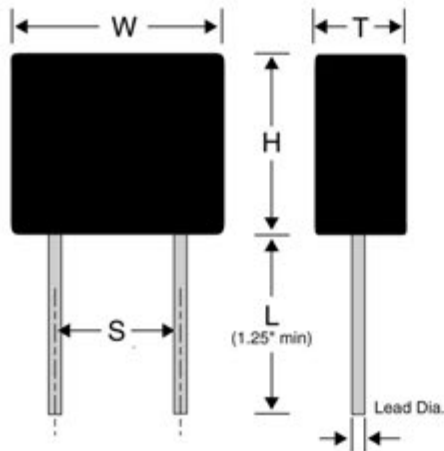
DIELECTRIC CHARACTERISTICS

	Hi-Temp X7R (H) Dielectric	Hi-Temp NPO (P) Dielectric
TEMPERATURE COEFFICIENT	+15% , -55% max, -55 to 250°C	0 \pm 60 ppm / °C , -55 to 250°C
CAP DROP AT 250°C	minus 55% max	minus 1.5% max
DISSIPATION FACTOR	.025 (2.5%) max, 1KHz, 25°C	.001 (0.1%) max, 1KHz, 25°C
INSULATION RESISTANCE @25°C	1000 Ω F or 100 G Ω , whichever is less @ 25°C, WVDC	1000 Ω F or 100 G Ω , whichever is less @ 25°C, WVDC
INSULATION RESISTANCE @200°C	0.1 Ω F or 10 M Ω , whichever is less @ 250°C, WVDC	0.1 Ω F or 10 M Ω , whichever is less @ 250°C, WVDC
DIELECTRIC STRENGTH	2.5 X WVDC, 25°C, 50 mA max	2.5 X WVDC, 25°C, 50 mA max
TEST PARAMETERS	1KHz \pm 50Hz, 1.0 \pm 0.2 VRMS, 25°C	1KHz \pm 50Hz, 1.0 \pm 0.2 VRMS, 25°C

MECHANICAL CHARACTERISTICS

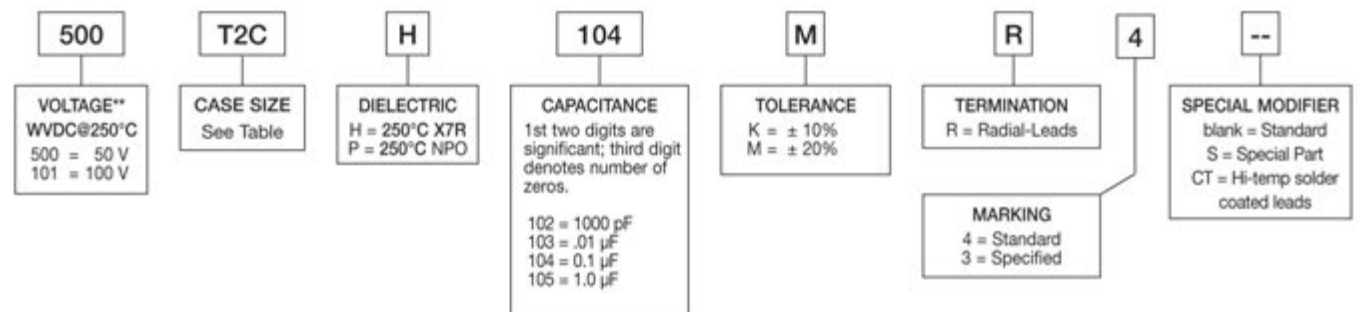
Size Code	T (max)		W (max)		H (max)		S (±.030")		Lead Dia. (±.002") *	
	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.
T2C	2.54	0.100	5.08	0.200	5.08	0.200	5.08	0.200	0.51	0.020
T3A	2.54	0.100	7.62	0.300	7.62	0.300				
T3B	3.81	0.150	12.70	0.500	12.70	0.500	10.16	0.400	0.64	0.025
T5A	2.54	0.100								
T5B	3.81	0.150								

* Standard lead material is pure nickel. Optional Hi-temp solder coating (Sn10Pb88Ag2) available.



Consult Factory for Sizes & Voltages Not Shown

HOW TO ORDER



Example: 500T2CH104MR4 = Rated 50 VDC@125°C, 25VDC@250°C 0.1μF ± 20% Hi-Temp X7R in X7R in T2C case

**Working Voltage (WVDC) is derated 50% at 250°C