

# HIGH TEMPERATURE HIGH VOLTAGE RADIAL LEADED CAPACITORS (RT)

## XHT and NPO DIELECTRIC

Consult Factory for Requirements Above 250°C

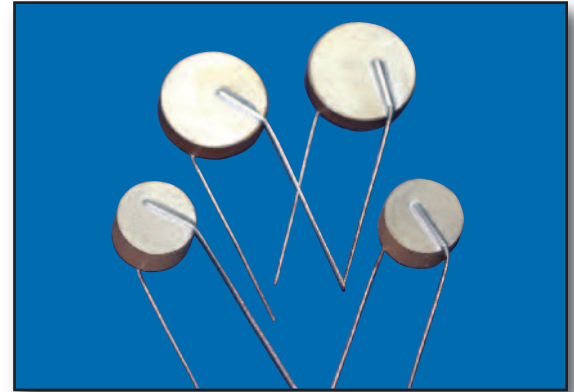
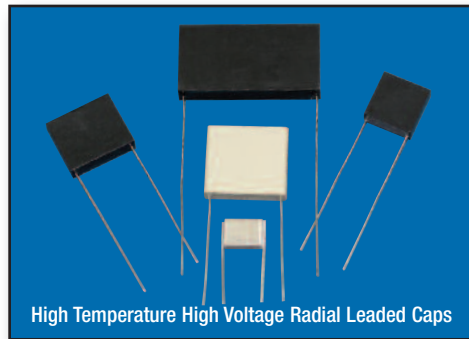
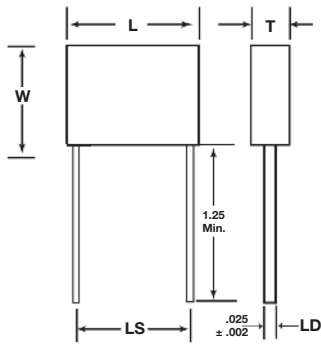
### SPECIFICATIONS

#### MECHANICAL:

Case: DAP up to 220°C Code B  
 PEEK up to 240°C Code P  
 Uncoated up to 250°C Code U  
 Leads: Solder coated copper clad steel is standard;  
 other types available

#### ALSO AVAILABLE

High Temperature High Voltage Disc Capacitors  
 Call Factory for More Information



#### DIMENSIONS (Inches)

SIZE*	L (Max.)	W (Max.)	T (Max.)	LS (±.032)	LD (±.002)
RT1814	0.300	0.200	0.200	0.200	0.025
RT1824	0.300	0.300	0.200	0.200	0.025
RT2225	0.350	0.300	0.200	0.250	0.025
RT2824	0.400	0.300	0.200	0.300	0.025
RT3933	0.500	0.400	0.200	0.400	0.025
RT4844	0.600	0.500	0.200	0.500	0.025
RT5854	0.700	0.600	0.200	0.600	0.025
RT6864	0.800	0.700	0.200	0.700	0.025
RT9650	1.100	0.600	0.200	0.980	0.025
RT13565	1.450	0.720	0.200	1.375	0.025

#### MAXIMUM CAPACITANCE (µF)

WVDC**	25V		50V		100V		200V		500V		1000V	
	SIZE*	X7R	NPO	X7R	NPO	X7R	NPO	XHT	NPO	XHT	NPO	XHT
RT1814	.47	.022	.33	.018	.22	.012	.10	.0075	.075	.0035	.012	.0010
RT1824	.82	.045	.25	.033	.50	.024	.20	.014	.15	.0068	.024	.0020
RT2225	1.2	.056	1.0	.047	.60	.033	.25	.020	.20	.0090	.032	.0027
RT2824	1.5	.070	1.2	.056	.85	.040	.33	.022	.25	.011	.040	.0036
RT3933	2.7	.16	2.5	.12	1.5	.085	.60	.050	.50	.024	.080	.0075
RT4844	5.0	.18	4.0	.20	2.0	.14	1.2	.082	.82	.039	.16	.014
RT5854	7.8	.27	6.8	.30	4.5	.21	1.8	.12	1.2	.060	.25	.022
RT6864	12	.60	9.5	.44	6.0	.31	2.5	.18	1.8	.085	.35	.030
RT9650	15	.68	10	.47	6.8	.34	2.7	.20	2.0	.095	.39	.033
RT13565	-	-	-	-	-	-	4.7	.36	3.9	.17	.70	.060

\* Contact factory for additional case sizes or special requirements

\*\* WVDC = Working Voltage Direct Current

### HOW TO ORDER RT RADIAL LEADS

RT	1814	XHT	804	K	2	B	200	R	(F)
<b>PREFIX</b>	RT								
<b>SIZE*</b>	See Above								
<b>DIELECTRIC</b>		NPQ** NPO XHT X7R							
<b>CAPACITANCE CODE</b>			Two significant figures followed by the number of zeros. Example: 100 = 10 pF 101 = 100 pF 102 = 1000 pF 103 = .01 µF						
<b>TOLERANCE CODE</b>				F = ± 1% ≥ 10pF G = ± 2% ≥ 10pF J = ± 5% ≥ 10pF  K = ± 10% L = -10% / +20% M = ± 20% Z = +80% / -20% P = +100% / -0%					
<b>VOLTAGE CODE</b>					1 = 25 VDC 2 = 50 VDC 3 = 100 VDC 4 = 200 VDC 5 = 300 VDC 6 = 500 VDC 9 = 1000 VDC  ***				
<b>CASE</b>						Molded Box (Encapsulated) B = Up to 220°C P = Up to 240°C U = Uncoated			
<b>LEAD SPACING</b>						(LS) See Above			
<b>RoHS</b>						R = RoHS Compliant			
<b>DESIGN-IN CODE</b>						See Page 15			

\* Contact factory for other sizes and special requirements

\*\* Contact factory regarding NPQ dielectric

**\*\*\* HIGHER VOLTAGES  
AVAILABLE  
20KV and Above**

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