

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

Leads: Solder coated copper clad steel is standard; other types available

OPERATING TEMPERATURE RANGE:

-55°C to 250°C

TEMPERATURE COEFFICIENT UP TO 225°C:

XHT: +15 -65% °C Max

NPO: 0 ± 30 ppm/°C

DISSIPATION FACTOR:

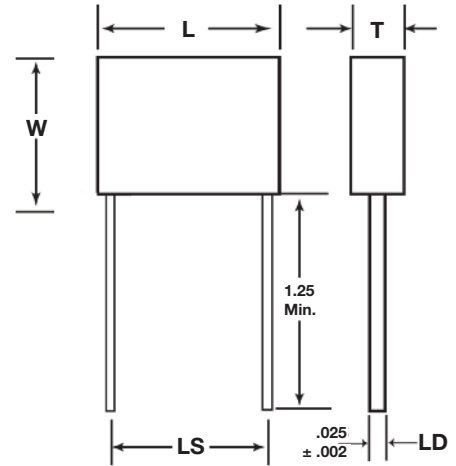
XHT: 2.5% max.

NPO: <.0015 (.15%)

INSULATION RESISTANCE:

NPO/XHT (25°C): 1000 ohms x Farad or 100 Gigohms, whichever is less

NPO/XHT (250°C): 10 ohms x Farad or 1 Gigohms, whichever is less



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

* Contact factory regarding NPQ dielectric

For special requirements contact factory



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