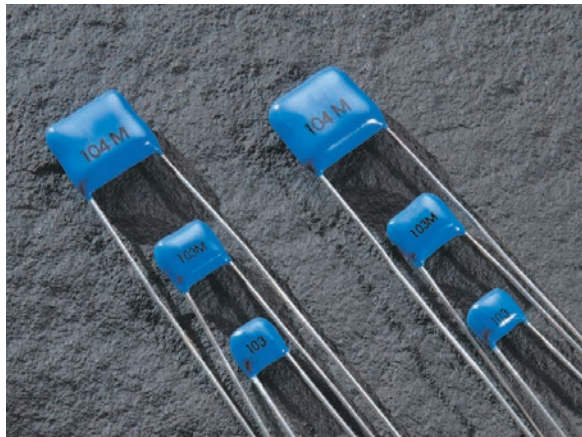


# HIGH VOLTAGE RADIAL LEADED CAPACITORS








## KEY FEATURES

- Rated Working Voltages from 500 to 5000 VDC
- Rugged Epoxy Coating Offers Increased Protection
- Compact MLC Designs Smaller Than Film or Disc
- NEW 200°C Versions Available for Oil & Geophysical Tool, Aircraft Engine Control Applications
- DSCC Drawing & Other Screened Versions Available




## ADVANTAGES

- Power Supplies
- Voltage Multipliers
- Data Isolation
- Surge Protection
- Industrial Control Circuits
- Custom Applications

## CASE SIZE

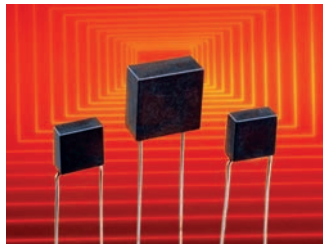
		IN.	(MM)	RATED VOLTAGE	NP0 CAPACITANCE (MAX.)		X7R CAPACITANCE (MAX.)	
					VALUE	CODE	VALUE	CODE
 H42	W	0.250 Max	(6.35 Max)	500 VDC	4700 pF	472	.150 µF	154
	H	0.220 Max	(5.59 Max)	1000 VDC	1500 pF	152	.055 µF	553
	T	0.270 Max	(6.86 Max)	2000 VDC	680 pF	681	9000 pF	902
	S	0.170 ±0.03	(4.32 ±0.76)	3000 VDC	330 pF	331	2800 pF	282
	LD	0.025 ±.002	(0.64 ±0.05)	4000 VDC	150 pF	151	630 pF	631
					5000 VDC	100 pF	101	550 pF
 H47	W	0.370 Max	(9.40 Max)	500 VDC	.022 µF	223	.480 µF	484
	H	0.300 Max	(7.62 Max)	1000 VDC	3300 pF	332	.170 µF	174
	T	0.270 Max	(6.86 Max)	2000 VDC	1500 pF	152	.025 µF	253
	S	0.275 ±0.03	(6.99 ±0.76)	3000 VDC	680 pF	681	.011 µF	113
	LD	0.025 ±.002	(0.64 ±0.05)	4000 VDC	330 pF	331	1800 pF	182
					5000 VDC	220 pF	221	940 pF
 H51	W	0.470 Max	(12.0 Max)	500 VDC	.056 µF	563	1.20 µF	125
	H	0.400 Max	(10.2 Max)	1000 VDC	4700 pF	472	.450 µF	454
	T	0.320 Max	(8.13 Max)	2000 VDC	3300 pF	332	.094 µF	943
	S	0.375 ±0.03	(9.53 ±0.76)	3000 VDC	1500 pF	152	.043 µF	433
	LD	0.025 ±.002	(0.64 ±0.05)	4000 VDC	1000 pF	102	.010 µF	103
					5000 VDC	470 pF	471	4900 pF
 H62	W	0.570 Max	(14.5 Max)	500 VDC	.100 µF	104	2.20 µF	225
	H	0.500 Max	(12.7 Max)	1000 VDC	.010 µF	103	.804 µF	804
	T	0.320 Max	(8.13 Max)	2000 VDC	6800 pF	682	.240 µF	244
	S	0.475 ±0.03	(12.1 ±0.76)	3000 VDC	3300 pF	332	.073 µF	733
	LD	0.025 ±.002	(0.64 ±0.05)	4000 VDC	2200 pF	222	.028 µF	283
					5000 VDC	1000 pF	102	.013 µF
 H66	W	0.670 Max	(17.0 Max)	500 VDC	.150 µF	154	3.30 µF	335
	H	0.600 Max	(15.2 Max)	1000 VDC	.015 µF	153	1.20 µF	125
	T	0.320 Max	(8.13 Max)	2000 VDC	.010 µF	103	.440 µF	444
	S	0.575 ±0.03	(14.6 ±0.76)	3000 VDC	4700 pF	472	0.130 µF	134
	LD	0.025 ±.002	(0.64 ±0.05)	4000 VDC	3300 pF	332	.041 µF	413
					5000 VDC	2200 pF	222	.020 µF

# HIGH VOLTAGE RADIAL LEADED CAPACITORS

CASE SIZE			RATED VOLTAGE	NP0 CAPACITANCE (MAX.)		X7R CAPACITANCE (MAX.)	
				VALUE	CODE	VALUE	CODE
	W	0.770 Max (19.6 Max)	500 VDC	.220 µF	224	5.70 µF	575
			1000 VDC	.022 µF	223	2.10 µF	215
			2000 VDC	.015 µF	153	.620 µF	624
			3000 VDC	6800 pF	682	.190 µF	194
			4000 VDC	4700 pF	472	.054 µF	543
			5000 VDC	3300 pF	332	.026 µF	263
	W	0.870 Max (22.1 Max)	500 VDC	.330 µF	334	7.30 µF	735
			1000 VDC	.100 µF	104	2.80 µF	285
			2000 VDC	.056 µF	563	.800 µF	804
			3000 VDC	.033 µF	333	.250 µF	254
			4000 VDC	.010 µF	103	.080 µF	803
			5000 VDC	6800 pF	682	.041 µF	413
	W	1.450 Max (36.8 Max)	500 VDC	.470 µF	474	12.0 µF	126
			1000 VDC	.150 µF	154	4.60 µF	465
			2000 VDC	.082 µF	823	1.20 µF	125
			3000 VDC	.047 µF	473	.390 µF	394
			4000 VDC	.015 µF	153	.130 µF	134
			5000 VDC	.010 µF	103	.068 µF	683

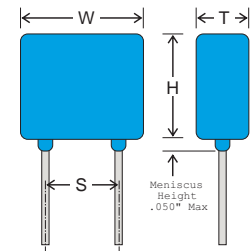
## T-SERIES 200°C

Johanson also offers two different series of high temperature radial leaded capacitors for 200°C. These components feature rugged premolded cases with Hi-Temp epoxy fill. The 200°C line is offered in voltage ratings of 25V to 4KV and maximum capacitance loss of -0.5% in NP0 and -45% in X7R. The line is offered in voltage ratings of 50V & 100V with maximum capacitance loss of -1.5% in NP0 and -55% in X7R. Please visit our website for complete component selection & specifications



### APPLICATIONS

- Oil Well Logging (Downhole)
- Geophysical Probes
- Jet Engine Controls



NOTE: Lead lengths are typically 1.25" for orders in bulk packaging. Leads are typically 1.00" for tape and reel packaging. Tape and reel packaging comes in 1000 piece reels.

## HOW TO ORDER HIGH VOLTAGE RADIALS

Part number written: 102H42W101KQ4

102	H42	W	101	K	Q	4	T
VOLTAGE	SIZE	DIELECTRIC	CAPACITANCE	TOLERANCE	TERMINATION	MARKING	PACKING
501 = 500 V 102 = 1000 V 202 = 2000 V 302 = 3000 V 402 = 4000 V 502 = 5000 V	See Chart	N = NP0 W = X7R	1st two digits are significant; third digit denotes number of zeros. 102 = 1000 pF 103 = 0.01 µF 105 = 1.00 µF	J = ± 5% K = ± 10% M = ± 20% Z = +80% -20%	Q = Leaded & Encapsulated	4 = Standard 3 = Specified	T = Tape and Reel H = High Rel Testing per customer requirements S = Special Part

