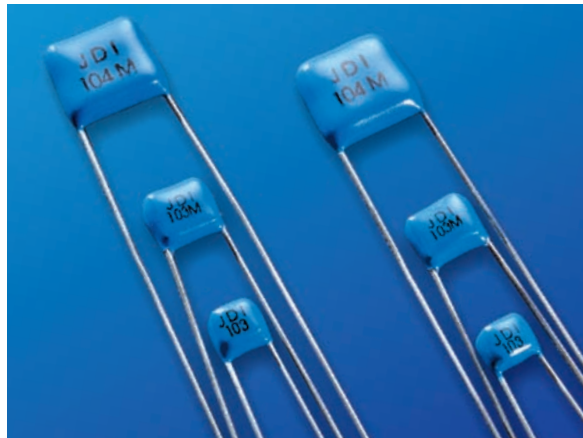


COMMERCIAL SWITCH-MODE RADIAL LEADED CAPACITORS







KEY FEATURES

- Rated Working Voltages from 25 to 500 VDC
- Rugged Epoxy Coating Offers Increased Protection
- Compact MLC Designs Smaller Than Film or Disc
- Hi-Rel Screened Versions Available
- Custom Sizes, Voltages, and Values Available

APPLICATIONS





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

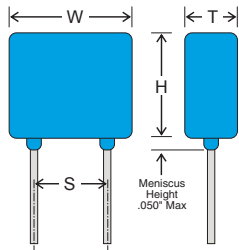
CAPACITANCE / VOLTAGE SELECTION

				RATED		NPO CAPACITANCE (MAX.)		X7R CAPACITANCE (MAX.)	
				VOLTAGE	VALUE	CODE	VALUE	CODE	
 H03	W	.300 max.	(7.62 max.)	25 VDC	.070 μF	703	2.70 μF	275	
	H	.300 max.	(7.62 max.)	50 VDC	.060 μF	603	2.20 μF	225	
	T	.200 max.	(5.08 max.)	100 VDC	.050 μF	503	1.80 μF	185	
	S	.200 nom.	(5.08 nom.)	200 VDC	.040 μF	403	.800 μF	804	
	Ld	.020 nom.	(.510 nom.)	500 VDC	.020 μF	203	.300 μF	304	
 H04	W	.400 max.	(10.2 max.)	25 VDC	.120 μF	124	4.70 μF	475	
	H	.400 max.	(10.2 max.)	50 VDC	.100 μF	104	3.30 μF	335	
	T	.200 max.	(5.08 max.)	100 VDC	.082 μF	823	2.70 μF	275	
	S	.200 nom.	(5.08 nom.)	200 VDC	.050 μF	503	1.00 μF	105	
	Ld	.020 nom.	(.510 nom.)	500 VDC	.030 μF	303	.390 μF	394	
 H05	W	.500 max.	(12.7 max.)	25 VDC	.240 μF	244	8.20 μF	825	
	H	.500 max.	(12.7 max.)	50 VDC	.200 μF	204	7.50 μF	755	
	T	.200 max.	(5.08 max.)	100 VDC	.180 μF	184	6.20 μF	625	
	S	.400 nom.	(10.2 nom.)	200 VDC	.110 μF	114	2.70 μF	275	
	Ld	.025 nom.	(.635 nom.)	500 VDC	.070 μF	703	1.00 μF	105	
 H06	W	.870 max.	(22.1 max.)	25 VDC	.750 μF	754	28.0 μF	286	
	H	.600 max.	(15.2 max.)	50 VDC	.620 μF	624	24.0 μF	246	
	T	.200 max.	(5.08 max.)	100 VDC	.560 μF	564	18.0 μF	186	
	S	.790 nom.	(20.1 nom.)	200 VDC	.360 μF	364	8.20 μF	825	
	Ld	.032 nom.	(.813 nom.)	500 VDC	.240 μF	244	3.00 μF	305	




CAPACITANCE / VOLTAGE SELECTION

				RATED		NPO CAPACITANCE (MAX.)		X7R CAPACITANCE (MAX.)	
				VOLTAGE	VALUE	CODE	VALUE	CODE	
	W	1.10 max.	(27.9 max.)	25 VDC	.680 μ F	684	24.0 μ F	246	
	H	.600 max.	(15.2 max.)	50 VDC	.560 μ F	564	20.0 μ F	206	
	T	.200 max.	(5.08 max.)	100 VDC	.470 μ F	474	16.0 μ F	166	
	S	.980 nom.	(24.9 nom.)	200 VDC	.330 μ F	334	6.80 μ F	685	
	Ld	.032 nom.	(.813 nom.)	500 VDC	.200 μ F	204	2.40 μ F	245	
	W	1.10 max.	(27.9 max.)	25 VDC	1.20 μ F	125	33.0 μ F	336	
	H	.600 max.	(15.2 max.)	50 VDC	1.10 μ F	115	22.0 μ F	226	
	T	.350 max.	(8.89 max.)	100 VDC	.820 μ F	824	16.0 μ F	166	
	S	.980 nom.	(24.9 nom.)	200 VDC	.470 μ F	474	10.0 μ F	106	
	Ld	.032 nom.	(.813 nom.)	500 VDC	.300 μ F	304	5.10 μ F	515	
	W	.670 max.	(17 max.)	25 VDC	.450 μ F	454	17.0 μ F	176	
	H	.540 max.	(13.7 max.)	50 VDC	.360 μ F	364	14.0 μ F	146	
	T	.200 max.	(5.08 max.)	100 VDC	.330 μ F	334	11.0 μ F	116	
	S	.575 nom.	(14.6 nom.)	200 VDC	.240 μ F	244	6.00 μ F	605	
	Ld	.025 nom.	(.635 nom.)	500 VDC	.180 μ F	184	2.40 μ F	245	
	W	.930 max.	(23.6 max.)	25 VDC	1.00 μ F	105	39.0 μ F	396	
	H	.720 max.	(18.3 max.)	50 VDC	.900 μ F	904	30.0 μ F	306	
	T	.250 max.	(6.35 max.)	100 VDC	.750 μ F	754	24.0 μ F	246	
	S	.800 nom.	(20.3 nom.)	200 VDC	.470 μ F	474	16.0 μ F	166	
	Ld	.032 nom.	(.813 nom.)	500 VDC	.300 μ F	304	8.00 μ F	805	



Dielectric specifications are listed on page 16

HOW TO ORDER

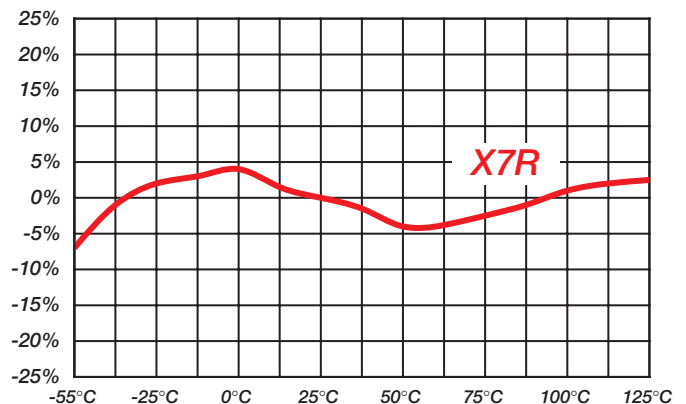
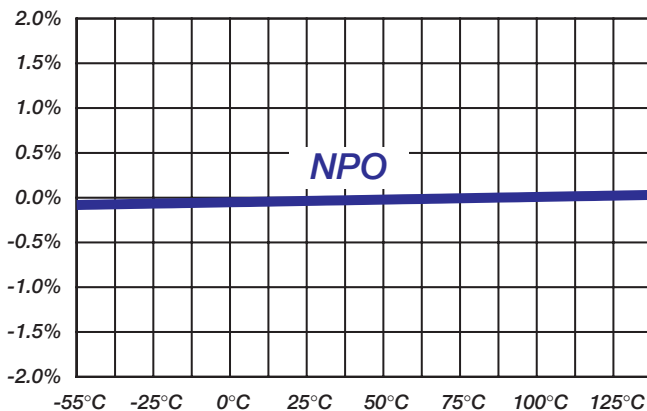
201	H07	W	105	K	Q	4	
VOLTAGE Standard Voltages: 250 = 25 V 500 = 50 V 101 = 100 V 201 = 200 V 501 = 500 V	CASE SIZE See Chart	DIELECTRIC N = NPO W = X7R	CAPACITANCE 1st two digits are significant; third digit denotes number of zeros. 102 = 1000 pF 103 = 0.01 μ F 105 = 1.00 μ F 106 = 10.0 μ F	TOLERANCE J = \pm 5% K = \pm 10% M = \pm 20% Z = +80% -20%	TERMINATION Q = Leaded & Encapsulated	MARKING 4 = Standard 3 = Specified	SPECIAL MODIFIER H = High Rel Testing per Customer
Part number written: 201H07W105KQ4							

COMMERCIAL SWITCH-MODE RADIAL LEADED CAPACITORS

DIELECTRIC CHARACTERISTICS

	NPO DIELECTRIC	X7R DIELECTRIC
TEMPERATURE COEFFICIENT:	0 ± 30 ppm / °C , -55 to 125°C	0 ± 15% , -55 to 125°C
DISSIPATION FACTOR:	.001 (0.1%) max, 1Khz, 25°C	.025 (2.5%) max, 1KHz, 25°C
AGEING:	None	2.5% / decade hour
INSULATION RESISTANCE:	1000 ΩF or 100 GΩ, whichever is less @ 25°C, WVDC (1KVDC max)	1000 ΩF or 100 GΩ, whichever is less @ 25°C, WVDC (1KVDC max)
DIELECTRIC STRENGTH:		
FOR 1,000 - 5,000 V RATINGS:	1.2 X WVDC, 25°C, 50 mA max	1.2 X WVDC, 25°C, 50 mA max
FOR 500 V RATINGS:	750 VDC, 25°C, 50 mA max	750 VDC, 25°C, 50 mA max
FOR 200 -250 V RATINGS:	2.0 X WVDC, 25°C, 50 mA max	2.0 X WVDC, 25°C, 50 mA max
FOR 50 -100 V RATINGS:	2.5 X WVDC, 25°C, 50 mA max	2.5 X WVDC, 25°C, 50 mA max
TEST PARAMETERS:	1Khz ± 50Hz, 1.0±0.2 VRMS, 25°C	1Khz ± 50Hz, 1.0±0.2 VRMS, 25°C

TYPICAL CAPACITANCE CHANGE VS TEMPERATURE:



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