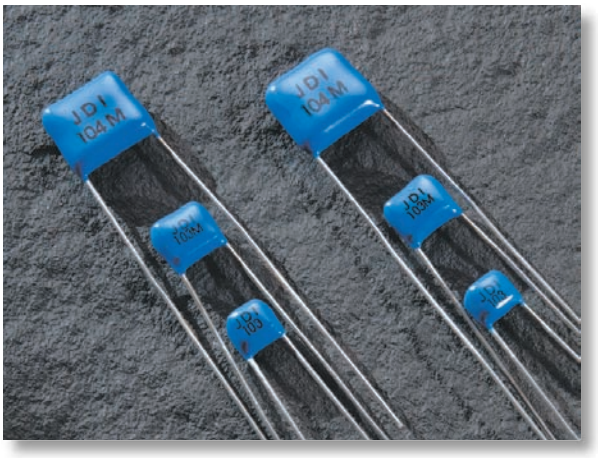
High Voltage Radial Leaded Capacitors



Key Features

- Rated Working Voltages from 500 to 15,000 VDC
- Rugged Epoxy Coating Offers Increased Protection
- Compact MLC Designs Smaller Than Film or Disc
- DSCC Drawing & Other 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

		In.	(mm)	RATED VOLTAGE	NPO CAPACITANCE (MAX.) VALUE	NPO CAPACITANCE (MAX.) CODE	X7R CAPACITANCE (MAX.) VALUE	X7R CAPACITANCE (MAX.) CODE
				500 VDC	4700 pF	472	.068 µF	683
	W	0.250 Max	(6.35 Max)	1000 VDC	1500 pF	152	.022 µF	223
	H	0.220 Max	(5.59 Max)	2000 VDC	680 pF	681	3300 pF	332
	T	0.270 Max	(6.86 Max)	3000 VDC	330 pF	331	2200 pF	222
	S	0.170 ±0.03	(4.32 ±0.76)	4000 VDC	150 pF	151	680 pF	681
H42	Ld	0.025 ±.002	(0.64 ±0.05)	5000 VDC	100 pF	101	330 pF	331
		In.	(mm)	500 VDC	.022 µF	223	.220 µF	224
	W	0.370 Max	(9.40 Max)	1000 VDC	3300 pF	332	.068 µF	683
	H	0.300 Max	(7.62 Max)	2000 VDC	1500 pF	152	.015 µF	153
	T	0.270 Max	(6.86 Max)	3000 VDC	680 pF	681	6800 pF	682
	S	0.275 ±0.03	(6.99 ±0.76)	4000 VDC	330 pF	331	2200 pF	222
H47	Ld	0.025 ±.002	(0.64 ±0.05)	5000 VDC	220 pF	221	1000 pF	102
		In.	(mm)	500 VDC	.056 µF	563	.470 µF	474
	W	0.470 Max	(12.0 Max)	1000 VDC	4700 pF	472	.150 µF	154
	H	0.400 Max	(10.2 Max)	2000 VDC	3300 pF	332	.047 µF	473
	T	0.320 Max	(8.13 Max)	3000 VDC	1500 pF	152	.033 µF	333
	S	0.375 ±0.03	(9.53 ±0.76)	4000 VDC	1000 pF	102	.010 µF	103
H51	Ld	0.025 ±.002	(0.64 ±0.05)	5000 VDC	470 pF	471	6800 pF	682
		In.	(mm)	500 VDC	.100 µF	104	1.00 µF	105
	W	0.570 Max	(14.5 Max)	1000 VDC	.010 µF	103	.330 µF	334
	H	0.500 Max	(12.7 Max)	2000 VDC	6800 pF	682	.100 µF	104
	T	0.320 Max	(8.13 Max)	3000 VDC	3300 pF	332	.068 µF	683
	S	0.475 ±0.03	(12.1 ±0.76)	4000 VDC	2200 pF	222	.022 µF	223
H62	Ld	0.025 ±.002	(0.64 ±0.05)	5000 VDC	1000 pF	102	.010 µF	103

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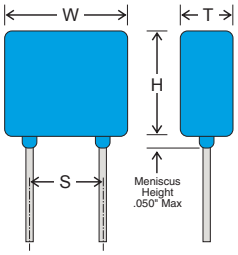
Capacitance / Voltage Selection

				RATED	NPO CAPACITANCE (MAX.)		X7R CAPACITANCE (MAX.)	
				VOLTAGE	VALUE	CODE	VALUE	CODE
 H66		In.	(mm)	500 VDC	.150 µF	154	1.50 µF	155
	W	0.670 Max	(17.0 Max)	1000 VDC	.015 µF	153	.470 µF	474
	H	0.600 Max	(15.2 Max)	2000 VDC	.010 µF	103	.150 µF	154
	T	0.320 Max	(8.13 Max)	3000 VDC	4700 pF	472	.068 µF	683
	S	0.575 ±0.03	(14.6 ±0.76)	4000 VDC	3300 pF	332	.022 µF	223
	Ld	0.025 ±.002	(0.64 ±0.05)	5000 VDC	2200 pF	222	.010 µF	103
 H70		In.	(mm)	500 VDC	.220 µF	224	2.20 µF	225
	W	0.770 Max	(19.6 Max)	1000 VDC	.022 µF	223	1.00 µF	105
	H	0.720 Max	(18.3 Max)	2000 VDC	.015 µF	153	.220 µF	224
	T	0.320 Max	(8.13 Max)	3000 VDC	6800 pF	682	.150 µF	154
	S	0.675 ±0.03	(17.1 ±0.76)	4000 VDC	4700 pF	472	.047 µF	473
	Ld	0.025 ±.002	(0.64 ±0.05)	5000 VDC	3300 pF	332	.033 µF	333
 H72		In.	(mm)	500 VDC	.330 µF	334	3.30 µF	335
	W	0.870 Max	(22.1 Max)	1000 VDC	.100 µF	104	1.80 µF	185
	H	0.750 Max	(19.1 Max)	2000 VDC	.056 µF	563	.390 µF	394
	T	0.320 Max	(8.13 Max)	3000 VDC	.033 µF	333	.180 µF	184
	S	0.775 ±0.03	(19.7 ±0.76)	4000 VDC	.010 µF	103	.056 µF	563
	Ld	0.025 ±.002	(0.64 ±0.05)	5000 VDC	6800 pF	682	.039 µF	393
 H80		In.	(mm)	500 VDC	.470 µF	474	4.70 µF	475
	W	1.450 Max	(36.8 Max)	1000 VDC	.150 µF	154	2.20 µF	225
	H	0.720 Max	(18.3 Max)	2000 VDC	.082 µF	823	.470 µF	474
	T	0.320 Max	(8.13 Max)	3000 VDC	.047 µF	473	.330 µF	334
	S	1.375 ±0.03	(34.9 ±0.76)	4000 VDC	.015 µF	153	.100 µF	104
	Ld	0.025 ±.002	(.064 ±0.05)	5000 VDC	.010 µF	103	.068 µF	683



Dielectric specifications are listed on page 16

Consult factory for voltages up to 15KV and other tooled sizes such as 2020, 3327, 3640, & 4020

How to Order

102	H42	W	101	K	Q	4	
VOLTAGE	CASE SIZE	DIELECTRIC	CAPACITANCE	TOLERANCE	TERMINATION	MARKING	SPECIAL MODIFIER

VOLTAGE
Standard Voltages:
501 = 500 V
102 = 1000 V
202 = 2000 V
302 = 3000 V
402 = 4000 V
502 = 5000 V
103 = 10000 V*
153 = 15000 V*

CASE SIZE
See Chart

*Consult factory for availability

DIELECTRIC
N = NPO
W = X7R

CAPACITANCE
1st two digits are significant; third digit denotes number of zeros.
101 = 100 pF
102 = 1000 pF
103 = 0.01 µF
105 = 1.00 µF

TOLERANCE
J = ± 5%
K = ± 10%
M = ± 20%
Z = +80% -20%

TERMINATION
Q = Leaded & Encapsulated

MARKING
4 = Standard
3 = Specified

SPECIAL MODIFIER
H = High Rel Testing per Customer

Part number written: 102H42W101KQ4

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