



Metuchen Capacitors, Inc.
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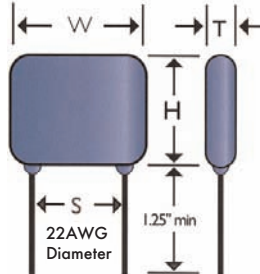
“We Offer Quick Solutions to Noise Pollution”

200°C Resin Coated Radial Leaded Capacitors

Now in C0G & Class II Dielectrics & Voltages up to 4KVDC!

Dimensions and Characteristics

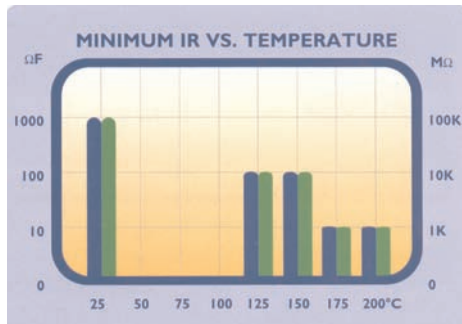
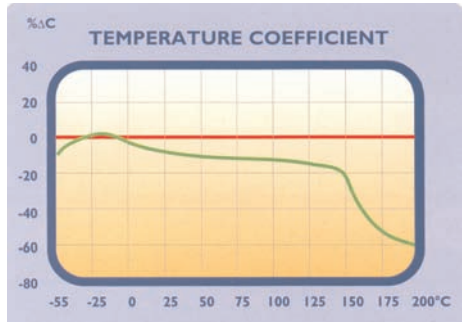
Size	2525	3020	3730	4740	5750	7772	8777
W Max	.250 (6.35)	.300 (7.62)	.370 (9.40)	.470 (11.9)	.570 (14.5)	.770 (19.6)	.870 (22.1)
H Max	.250 (6.35)	.200 (5.08)	.300 (7.62)	.400 (10.2)	.500 (12.7)	.720 (18.3)	.770 (19.6)
T Max	.190 (4.83)	.160 (4.06)	.240 (6.10)	.310 (7.87)	.360 (9.14)	.360 (9.14)	.360 (9.14)
S ±0.03	.170 (4.32)	.200 (5.08)	.280 (7.11)	.380 (9.65)	.480 (12.2)	.680 (17.3)	.780 (19.8)
D +004 -001	.025 (0.64)	.025 (0.64)	.025 (0.64)	.025 (0.64)	.025 (0.64)	.025 (0.64)	.025 (0.64)



MCI manufactures chip capacitors designed and tested to operate from -55°C up to 200°C. Product is available in COG(NP0) a Class I dielectric and in a Class II dielectric operating up to 200°C. Product applications include harsh environments such as oil exploration and Automotive/Avionics engine compartment circuitry. Product is available as epoxy coated devices for environmental protection with 22 AWG tinned copper leads, in sizes 2525 to 8777. Consult MCI if your specific requirements exceed our catalog maximums (size, cap. value, and voltage).

MAX Capacitance vs. Dielectric & Voltage

Size	2525		3020		3730		4740		5750		7772		8777	
	C0G	Class II	C0G	Class II	C0G	Class II	C0G	Class II	C0G	Class II	C0G	Class II	C0G	Class II
Min Cap	3R0	22I	390	102	390	102	390	102	390	102	560	202	101	202
25V	822	154	393	684	683	105	124	185	184	225	274	335	334	475
50V	682	124	223	394	393	684	823	155	154	225	224	275	274	395
100V	682	823	183	274	333	394	683	824	124	155	184	225	224	275
250V	562	563	123	184	273	334	563	684	104	105	154	155	184	225
500V	272	822	562	273	153	683	333	184	473	274	683	394	104	474
1000V	122	332	272	123	103	273	223	683	333	124	473	184	683	224
2000V	681	122	152	472	562	153	123	333	183	473	273	823	393	104
5000V			102	272	332	103	822	183	123	333	183	473	223	563
3000V					182	562	392	123	562	223	103	333	123	393
4000V					122	472	272	822	472	153	682	223	822	273



200°C Dielectric Characteristics

Characteristics	“D” C0G Dielectric	“E” Class II Dielectric
Operating Temperature Range:	-55°C to 200°C	-55°C to 200°C
Temperature Coefficient up to 200°C:	0 +/- 30 ppm/°C	+15 65% ΔC Max
Dissipation Factor @ 25°C:	.001 (0.1%) Max	.025 (2.5%) Max
Insulation Resistance, 25°C	>100 Gohms or >1000 ohms F	>100 Gohms or >1000 ohms F
200°C	>1 Gohms or >10 ohms F	>1 Gohms or >10 ohms F
Dielectric Withstanding Voltage:	<200V, 250%	<200V, 250%
** Whichever is greater	201-500V, 150% or 500V**	201-500V, 150% or 500V**
	>500V, 120%, or 750V**	>500V, 120%, or 750V**
Aging Rate:	0% per decade	2% per decade
Test Parameters:	1KHz, 1.0 +/- 0.2 VRMS, 25°C	1KHz, 1.0 +/- 0.2 VRMS, 25°C
	1MHz for Capacitance <100pF	

How To Order

Voltage _____
 (Third digit is number of zeros)

Metuchen Designator _____

Size _____

250 HT 2525 D 562 J

Dimensions in inches (mm)

Tolerance

*F = ±1% J = ±5% M = ±20%
 *G = ±2% K = ±10%
 *=C0G only

Capacitance in Picofarads
 (Third digit is number of zeros)

Dielectric

D = C0G E = +15/-65%

MCI Dedicated to Customer Satisfaction Since 1972

Metuchen Capacitors, Inc.

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AS 9100
 ISO 9001

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