

Capacitors: Mounting Capacitors

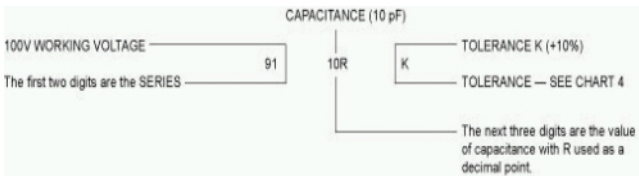


The Aeroflex / Metelics MMI-9000 and 9100 Series Chip Capacitors feature high stand-off voltage and low dielectric loss due to our use of nitride/oxide dielectric layers. Gold bonding surfaces, top and bottom provide ease of bonding and minimum contact resistance. MIS capacitors have high insulation resistance, low dissipation factor, and low temperature coefficient, which are features that produce devices with excellent long term stability.

- High Reliability Silicon, Nitride/Oxide Dielectric
- Low Loss and High Q
- Long Term Reliability and Stability
- Gold Metallization Front and Back

HOW TO ORDER:

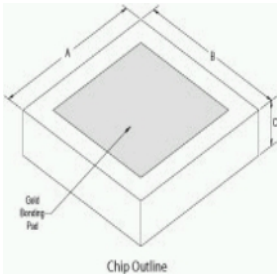
- [Go to Table 1:](#) 9100 Series > 100 Volt Working Voltage.
Select capacitance range required.
- Check CHIP size for compatibility with your circuit.
- [Go to Table 2:](#) 9000 Series > 50 Volt Working Voltage
For smaller chip size with lower working voltage.
- [Go to Table 3:](#) Beam Lead products. Specify part number.



EXAMPLES:

9110RK = > 100 WVDC 10 pF + 10% with a .020" CHIP SIZE.

902R0J = > 50 WVDC 2.0 pF + 5% with a .010" CHIP SIZE



Available Capacitors: Mounting Capacitors

Table 1: 9100 Series Capacitors Working Voltage > 100V		
Model	Capacitance Range pF	Chip Size + .002" Dim A x Dim B x Dim C
910R1 thru 911R9	0.1 to 1.9	.010" x .010" x .005"
912R0 thru 919R9	2.0 to 9.9	.015" x .015" x .005"
9110R thru 9129R	10.0 to 29	.020" x .020" x .006"
9130R thru 9149R	30.0 to 49	.030" x .030" x .006"
9150R thru 9199R	50.0 to 99	.040" x .040" x .008"
91100 thru 91199	100 to 199	.050" x .050" x .008"
91200 thru 91399	200 to 399	.070" x .070" x .008"

Table 2: 9000 Series Capacitors Working Voltage > 50V		
Model	Capacitance Range pF	Chip Size + .002" Dim A x Dim B x Dim C
902R0 thru 9010R	2.0 to 10.0	.010" x .010" x .005"
9011R thru 9029R	11.0 to 29	.015" x .015" x .005"
9030R thru 9049R	30.0 to 49	.020" x .020" x .006"
9050R thru 9099R	50.0 to 99	.030" x .030" x .006"
90100 thru 90199R	100 to 199	.040" x .040" x .008"
90200 thru 90399R	200 to 399	.050" x .050" x .008"
90400 thru 90600R	400 to 600	.070" x .070" x .008"

Table 3: Beam Lead Capacitors 9000 Series VB > 50V		
Model	Capacitance Range pF	Package Style
90R1 thru 90R9	0.1 to 0.9	14-1
901R0 thru 901R5	1.0 to 1.5	14-1
90R5 thru 901R0	0.5 to 1.0	14-2
901R0 thru 902R2	1.0 to 2.2	14-2
902R2 thru 904R7	2.2 to 4.7	14-2
905R6M	5.6 + 20%	14-2
906R8M	6.8 + 20%	14-2
908R2M	8.2 + 20%	14-2
9010R0M	10 + 20%	14-3
9015R0M	15 + 20%	14-3
9022R0M	22 + 20%	14-3
9033R0M	33 + 20%	14-3
9047R0M	47 + 20%	14-4
9068R0M	68 + 20%	14-4
9082R0M	82 + 20%	14-4
90100R0M	100 + 20%	14-4

Table 4	
Tolerance ±	
A = .05 pF	G = 2%
B = .1 pF	J = 5%
C = .25 pF	K = 10%
D = .5 pF	M = 20%
F = 1%	
Standard Tolerance is ±10% (K)	

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