

1000V CERAMIC DISC

90000 SERIES

The 90000 series is a range of insulated disc, monolithic fixed ceramic capacitors. They are most commonly used in consumer electronics and telecommunication equipment.

RATINGS

Capacitance Range: 1.0pf to 0.10μf (100,000pf)

Voltage: 1000 Volts DC

Withstand Voltage: 2500 Volts DC

PERFORMANCE SPECIFICATIONS

Operating Temperature Range:

–25°C to +85°C (–13°F to +185°F)

Tolerance Range:

9001D0–9009D0 ±0.5pf
 90010–90210 ±10%
 90212–90220 +80%, –20%
 90222 ±20%
 90227–90410 +80%, –20%

Temperature Coefficient:

9001D0–90091 – SL
 90110–90118 – Y5F
 90122–90210 – Y5P
 90212–90220 – Z5V
 90222 – Z5U
 90227–90410 – Z5V

Insulation Resistance: 7500MΩ Min
 measured after 1 Minute at rated voltage

90000 Series Dimensions (Figure 2)

Cap pf	D Ø mm	S mm	Cap pf	D Ø mm	S mm	Cap pf	D Ø mm	S mm
1.0pf	5	7.5	39pf	5	7.5	1500pf	5	7.5
2.0pf	6	7.5	47pf	5	7.5	1800pf	6	7.5
2.2pf	5	7.5	56pf	5	7.5	2000pf	6	7.5
2.7pf	5	7.5	62pf	5	7.5	2200pf	6	7.5
3.0pf	5	7.5	68pf	6	7.5	2700pf	7	7.5
3.3pf	6	7.5	75pf	6	7.5	3000pf	7	7.5
4.0pf	5	7.5	82pf	6	7.5	3300pf	7	7.5
4.7pf	5	7.5	91pf	6	7.5	3900pf	7	7.5
5.0pf	5	7.5	100pf	5	7.5	4300pf	7	7.5
5.6pf	5	7.5	120pf	5	7.5	4700pf	8	7.5
6.2pf	5	7.5	150pf	5	7.5	5000pf	8	7.5
6.8pf	5	7.5	180pf	5	7.5	5600pf	8.5	7.5
7.5pf	5	7.5	220pf	5	7.5	6800pf	10.5	7.5
8.0pf	6	7.5	270pf	6	7.5	7500pf	10.5	7.5
9.0pf	5	7.5	330pf	6	7.5	8200pf	10.5	7.5
10pf	5	7.5	390pf	6	7.5	0.01μf	10.5	7.5
12pf	5	7.5	430pf	6	7.5	0.015μf	10.5	7.5
13pf	5	7.5	470pf	5	7.5	0.020μf	11.0	7.5
15pf	5	7.5	500pf	6	7.5	0.022μf	13.5	8.5
18pf	5	7.5	560pf	6	7.5	0.030μf	13.5	8.5
20pf	5	7.5	680pf	6	7.5	0.033μf	13.5	8.5
22pf	5	7.5	750pf	6	7.5	0.036μf	13.5	8.5
24pf	6	7.5	820pf	6	7.5	0.047μf	16.5	10.5
27pf	5	7.5	910pf	6	7.5	0.050μf	16.5	10.5
30pf	5	7.5	1000pf	5	7.5	0.10μf	20.0	10.5
33pf	5	7.5	1200pf	5	7.5			

ORDERING INFORMATION

Series 90 0 2D0
 Multiplier _____
 Capacitance in pf _____

Example: 9002D0 = 2.0pf
 90220 = 2000pf
 90347 = 0.047μf

MARKING EXAMPLE

Example: 2pf = 2
 2000pf = 202
 0.047μf = 473

Figure 1

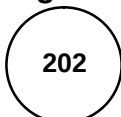


Figure 2

