

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 0.10 μ f (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	±5%
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: 7500M Ω Min
measured after 1 Minute at rated voltage

90000 Series Dimensions (Figure 2)

Cap pf	NTE Pt. No.	D $\varnothing$ mm	S mm	Cap pf	NTE Pt. No.	D $\varnothing$ mm	S mm
1.0pf	9001D0	5	7.5	270pf	90127	6	7.5
2.0pf	9002D0	6	7.5	300pf	90130	5	6.35
2.2pf	9002D2	5	7.5	330pf	90133	6	7.5
2.7pf	9002D7	5	7.5	390pf	90139	6	7.5
3.0pf	9003D0	5	7.5	400pf	90140	5	6.35
3.3pf	9003D3	6	7.5	430pf	90143	6	7.5
4.0pf	9004D0	5	7.5	470pf	90147	5	7.5
4.7pf	9004D7	5	7.5	500pf	90150	6	7.5
5.0pf	9005D0	5	7.5	560pf	90156	6	7.5
5.6pf	9005D6	5	7.5	680pf	90168	6	7.5
6.2pf	9006D2	5	7.5	750pf	90175	6	7.5
6.8pf	9006D8	5	7.5	820pf	90182	6	7.5
7.5pf	9007D5	5	7.5	910pf	90191	6	7.5
8.0pf	9008D0	6	7.5	1000pf	90210	5	7.5
9.0pf	9009D0	5	7.5	1200pf	90212	5	7.5
10pf	90010	5	7.5	1500pf	90215	5	7.5
12pf	90012	5	7.5	1800pf	90218	6	7.5
13pf	90013	5	7.5	2000pf	90220	6	7.5
15pf	90015	5	7.5	2200pf	90222	6	7.5
18pf	90018	5	7.5	2700pf	90227	7	7.5
20pf	90020	5	7.5	3000pf	90230	7	7.5
22pf	90022	5	7.5	3300pf	90233	7	7.5
24pf	90024	6	7.5	3900pf	90239	7	7.5
27pf	90027	5	7.5	4300pf	90243	7	7.5
30pf	90030	5	7.5	4700pf	90247	8	7.5
33pf	90033	5	7.5	5000pf	90250	8	7.5
39pf	90039	5	7.5	5600pf	90256	8.5	7.5
47pf	90047	5	7.5	6800pf	90268	10.5	7.5
50pf	90050	5	6.35	7500pf	90275	10.5	7.5
56pf	90056	5	7.5	8200pf	90282	10.5	7.5
62pf	90062	5	7.5	0.010 μ f	90310	10.5	7.5
68pf	90068	5	7.5	0.015 μ f	90315	10.5	7.5
75pf	90075	6	7.5	0.020 μ f	90320	11.0	7.5
82pf	90082	6	7.5	0.022 μ f	90322	13.5	7.5
91pf	90091	6	7.5	0.030 μ f	90330	13.5	8.5
100pf	90110	5	7.5	0.033 μ f	90333	13.5	7.5
120pf	90112	5	7.5	0.036 μ f	90336	13.5	8.5
150pf	90115	5	7.5	0.047 μ f	90347	16.5	10.5
180pf	90118	5	7.5	0.050 μ f	90350	16.0	9.2
200pf	90120	5	6.35	0.10 μ f	90410	20.0	10.5
220pf	90122	5	7.5				
250pf	90125	6	7.5				

ORDERING INFORMATION

Series 90 0 2D0
Multiplier
Capacitance in pf

Example: 9002D0 = 2.0pf
90220 = 2000pf
90347 = 0.047 μ f

MARKING EXAMPLE

Example: 2pf = 2
2000pf = 202
0.047 μ f = 473

Figure 1

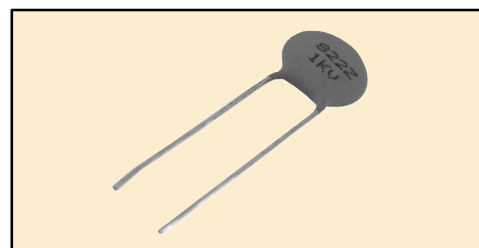
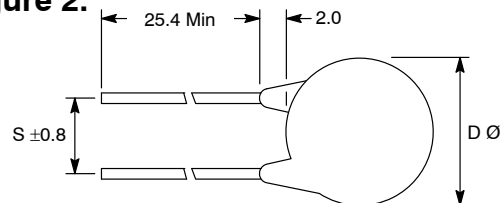


Figure 2.



All dimensions are in mm