

CLASS 3 (SEMI-CONDUCTING)

INTRODUCTION

Single layer metalized ceramic disc with resin coating (wax impregnated).

Common Usage:

- Transistorized Circuits
- Low Voltage-by-pass, Coupling.
- Frequency determination where Dielectric losses, Hi-IR and Cap. stability are not of

SPECIFICATIONS

Technical Data	Condition	Specification
Capacitance Range	Measured at 2KHZ 0.1Vrms at 25°C	0.01 F-0.47 F
Dissipation Factor (DF)		8.0% max
Encapsulation	Standard	Phenolic Resin (wax impregnated)
Insulation Resistance	Apply rated voltage for 1 minute at 25±2°C and 70% R.H. 16 Vdc product has 25 Vdc applied	1G or 20 F whichever is less

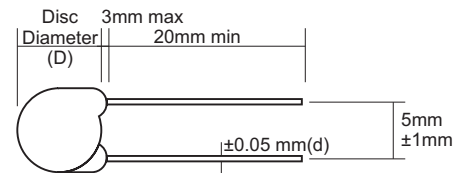
PART NUMBER EXAMPLE

3 YV 473 M 120 A54 B

DIMENSIONS (mm) Maximum Disc Diameter

(F:Standard Lead Spacing. Other lead spacing may be available upon request.)

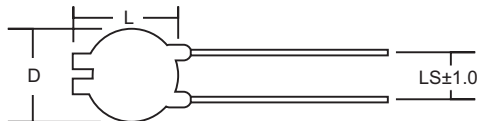
Cap (F)	Voltage Code	12V, 16V		25V			50V		
		YU	YV	YP	YU	YV	YP	YU	YV
0.01	103			4.5 F=5.0	4.5 F=5.0	4.5 F=5.0	5.5 F=5.0	4.5 F=5.0	4.5 F=5.0
0.022	233			7 F=5.0	7 F=5.0	7 F=5.0	7 F=5.0	6 F=5.0	5.5 F=5.0
0.033	333			9 F=6.35	8 F=5.0	7 F=5.0	9 F=6.35	9 F=6.35	7 F=5.0
0.047	473			11 F=6.35	11 F=6.35	11 F=6.35	13.5 F=9.5	9 F=6.35	9 F=6.35
0.068	683			9 F=6.35	9 F=6.35	9 F=6.35	9 F=6.35	9 F=6.35	7 F=5.0
0.1	104	7 F=5.0	7 F=5.0	11 F=6.35	11 F=6.35	11 F=6.35	13.5 F=9.5	9 F=6.35	9 F=6.35
0.22	224		9 F=6.35						
0.47	474								



CLASS 4 (SPARK GAP)

INTRODUCTION

Spark Gap capacitors are designed to provide a reliable discharge path for stray, transient overvoltages and static voltage build-up. The construction of spark gap may enable the circuit designer to reduce costs by specifying lower voltage components.



SPECIFICATIONS

Technical Data	Condition	Specification
Capacitance	Measured at 1 KHZ, 1VRMS at 25°C	0.75pF ~ 0.02 F
Dissipation Factor tan		2.5% max
Encapsulation		Phenolic Wax
Insulation Resistance	Measured at 500 Vdc	7500M or R x C > 75 x F
Operating Temperature		+10 ~ +85°C, Z5U -30 ~ +85°C, Y5P
Available Tolerances		±10% (K) ±20% (M) Guaranteed max value (U) Guaranteed min value (V)

DIMENSIONS (mm)

Maximum Disc Diameter

Cap Code	Voltage V	Lead Spacing (LS)	Diameter (D)	Length (L max)	Thickness (T max)
.75pF	1KV, 1.5KV, 2KV	6.35	9	13	6.35
.001 F	2KV	9.50	12	26	6.35
.01 F	1.5KV, 2KV, 2.5KV	9.50	20	26	6.35
.02 F	1KV	9.50	24	27	6.35

PART NUMBER EXAMPLE

4 YP R75 V 102 A67 B