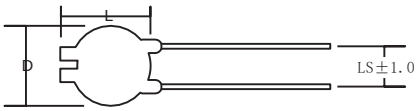
CCDD SERIES: Spark Gap (DISCONTINUED)

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.

FEATURES

- Limited values
- Designed especially for spark gap application



DIMENSIONS (mm) maximum

Cap	Code	Voltage (V)	Lead Spacing (LS)	Diameter (D)	Length L	Thickness (T)
0.75pF	R75	1KV 1.5KV 2KV	6.35	9	13	6.35
.001μF	102	2KV	9.50	12	26	6.35
.01μF	103	1.5KV 2KV 2.5KV	9.50	20	26	6.35
.02μF	203	1KV	9.50	24	27	6.35

ELECTRICAL CHARACTERISTICS

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

PART NUMBER EXAMPLE

CCDD P R75 V 102 A67 B

- CCDD — Series
- P — Temperature Coefficient
- R75 — Capacitance Code
- V — Tolerance Code
- 102 — Voltage Code
- A67 — Lead Code
- B — Packing Code

TEMPERATURE COEFFICIENT CODE

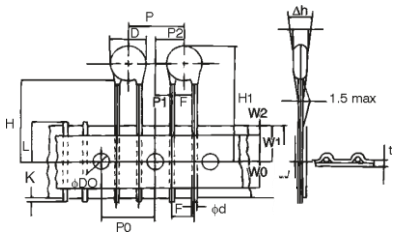
Code	EIA Code	Temperature Characteristics	
M	Z5U	+22 to -56%	+10°C to +85°C
P	Y5P	±10%	-30°C to +85°C

VOLTAGE CODE EXAMPLE

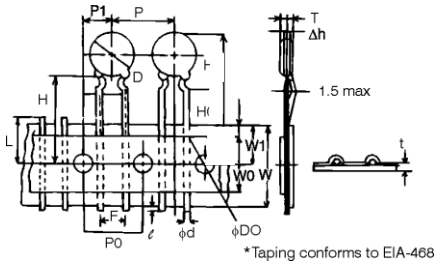
Code	3A	3R
WVDC	1KV	1.5KV

CCDD SERIES: Spark Gap

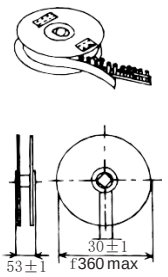
RADIAL STRAIGHT-LEAD ON TAPE
(S56 LEAD CODE)



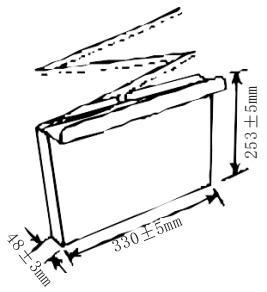
RADIAL KINK-IN ON TAPE
(K56 LEAD CODE)
*Most Popular



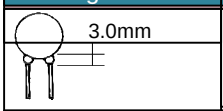
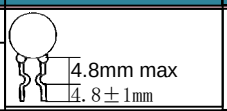
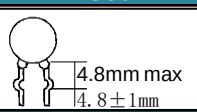
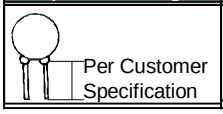
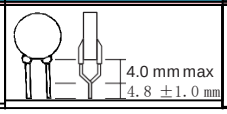
REEL PACK (R SUFFIX)



AMMO PACK (A SUFFIX)



LEAD CODES FOR BULK PACK (CERAMIC DISC ONLY)

Lead Type		
A-Straight	**C**-Kink In	**D**-Kink Out
		
F-Special Length	**Y**-Y Formed	**S** & **K**-Taped
		See taping specifications above.

Lead Spacing (±1.00) in mm		Wire dia. (±0.05) in mm	
Code	P	Code	df
2	2.5	4	0.48
5	5	6	0.6
6	6.35	7	0.65
7	7.5	8	0.8
9	10.0	9	1.0
0	12.7		
A	15.0		

HOW TO MAKE THE LEAD CODE FOR CERAMIC DISC (FOR BULK PACK ONLY)

A 6 7 B
- B — Bulk
- 7 — Wire Dia.
- 6 — Lead Spacing
- A — Lead Type

Code	Dimensions
D	11.0 max
d	0.6 ±0.05
P	12.7 ±1.0
P0	12.7 ±0.3
P1	3.85 ±0.7
P2	6.35 ±1.3
F	5.0 +0.8 -0.2
Dh	0 ±2.0
W	18.0 +1.0 -0.5
W1	9.0 +0.75 -0.5
W2	3.0 max
H	18.0 +3.0 -0
H0	16.0 ±0.5
H1	32.25 max
K	1.0 max
D0	4.0 ±0.2
t	0.7 ±0.2
L	11.0 max