

# Surge Absorber (Spark Gap)



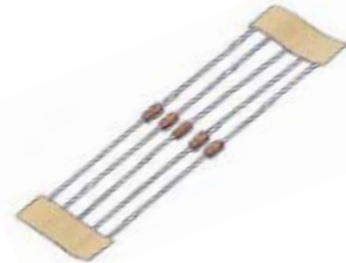
MSA Series

MERITEK

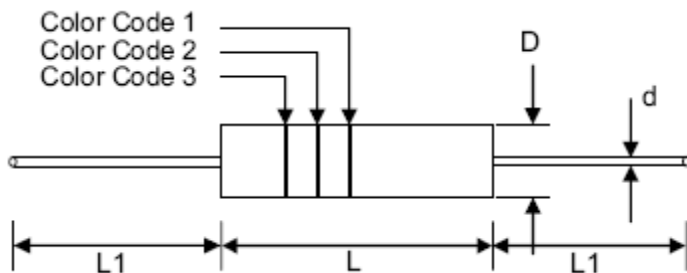
## MSA3 SERIES

### FEATURES

- Response time < 1ns
- MSA3 Surge Current is 500A
- Stable and very Small electrostatic capacitance (< 0.8pf) and great isolation (> 100M)
- Standard protection required by US UL497A and UL497B
- Small size



### DIMENSION



Item	MSA3
L	4.0±0.5
L1	28.0±3.0
D	φ2.0±0.5
d	φ0.5±0.05

### ELECTRICAL CHARACTERISTICS

PART NUMBER	DC Spark-Over Voltage	Minimum Insulation Resistance		Maximu Capacitance (1KHz-6V <sub>MAX</sub> )	Surge current capacity	Surge Life Test
	V <sub>s</sub> (V)	Test Voltage (V)	I <sub>roh</sub> m (MΩ)	C (pF)	8/20μs (A)	8/20μs, 100A
MSA3XX00702	140	50	100	0.8	500	150 times
MSA3XX01002	200	100	100	0.8		
MSA3XX01102	220	100	100	0.8		
MSA3XX01502	300	100	100	0.8		
MSA3XX02002	400	250	100	0.8		
MSA3XX02502	500	250	100	0.8		
MSA3XX03002	600	250	100	0.8		
MSA3XX03502	700	500	100	0.8		
MSA3XX05002	1000	500	100	0.8		
MSA3XX07502	1500	500	100	0.8		

Note: V<sub>s</sub>±XX%

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## COLOR CODE

Part Number	Color Code 1	Color Code 2	Color Code 3
MSA3XX00702	Black	Yellow	-
MSA3XX01002	Red	-	-
MSA3XX01102	Red	Red	-
MSA3XX01502	Orange	Orange	-
MSA3XX02002	Yellow	-	-
MSA3XX02502.	Green	-	-
MSA3XX03002	Blue	-	-
MSA3XX03502	White	Brown	-
MSA3XX05002	Black	-	-
MSA3XX07502	Brown	Green	Red/(Green)*