

Surge Absorber (Spark Gap)



MSA Series

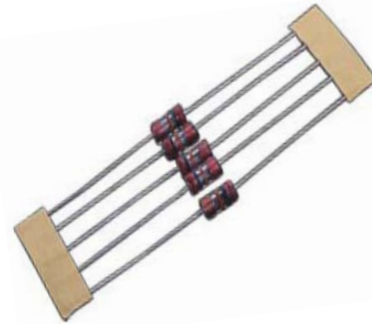
MERITEK

UL E223045

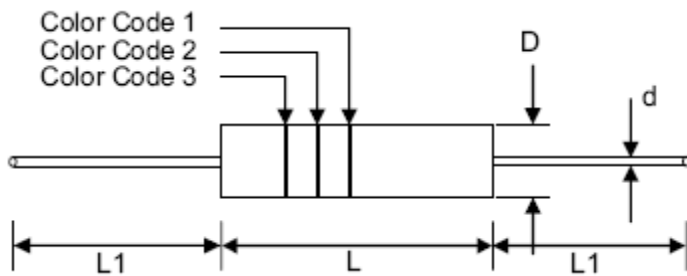
MSA1 SERIES

FEATURES

- Response time < 1ns
- MSA1 Surge Current is 3000A
- Stable and very Small electrostatic capacitance (< 0.8pf) and great isolation (> 100M)
- Standard protection required by US UL497A and UL497B
- Small size



DIMENSION



Item	MSA1
L	4.0±0.5
	5.3±0.5
	7.0±0.5
L1	28.0±3.0
D	φ3.1±0.5
	φ4.1±0.3
d	φ0.5±0.05

ELECTRICAL CHARACTERISTICS

PART NUMBER	DC Spark-Over Voltage	Minimum Insulation Resistance		Maximu Capacitance (1KHz-6V _{MAX})	Surge current capacity	Surge Life Test
	V _s (V)	Test Voltage (V)	I _{ohm} (MΩ)	C (pF)		
MSA1XX00702	140	50	100	0.8	3000	250 times
MSA1XX01502	300	250	100	0.8		
MSA1XX02002	400	250	100	0.8		
MSA1XX02502	500	500	100	0.8		
MSA1XX03502	700	500	100	0.8		
MSA1XX05002	1000	500	100	0.8		
MSA1XX07502	1500	500	100	0.8		
MSA1XX09002	1800	500	100	0.8		
MSA1XX10002	2000	500	100	0.8		
MSA1XX12002	2400	500	100	0.8		
MSA1XX13502	2700	500	100	0.8		
MSA1XX15002	3000	500	100	0.8		
MSA1XX18002	3600	500	100	0.8		
MSA1XX20002	4000	500	100	0.8		
MSA1XX22502	4500	500	100	0.8		
MSA1XX25002	5000	500	100	0.8		

Note: V_s±XX%

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COLOR CODE

Part Number	Color Code 1	Color Code 2	Color Code 3
MSA1XX00702	Black	Yellow	-
MSA1XX01502	Orange	-	-
MSA1XX02002	Yellow	-	-
MSA1XX02502	Green	-	-
MSA1XX03502	Purple	-	-
MSA1XX05002	Brown	Black	Red
MSA1XX07502	Brown	Green	Red
MSA1XX09002	Brown	Gray	Red
MSA1XX10002	Red	Black	Red
MSA1XX12002	Red	Yellow	Red
MSA1XX13502	Red	Purple	Red
MSA1XX15002	Orange	Black	Red
MSA1XX18002	Orange	Blue	Red
MSA1XX20002	Yellow	Black	Red
MSA1XX22502	Yellow	Green	Red
MSA1XX25002	Green	Black	Red