

# Surge Absorber (Spark Gap)



MSA Series

MERITEK

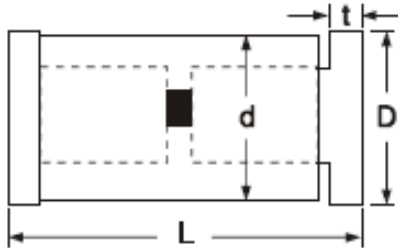
## MSA3-M SERIES

### FEATURES

- Response time < 1ns
- MSA3 Surge Current is 500A
- Package SMD
- 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-M	
	Standard	Mini Melf
L	4.0±0.5	3.4±0.5
D	φ2.0±0.5	φ1.4±0.5
d	φ1.8±0.5	φ1.3±0.5
t	0.4±0.1	0.4±0.1

### ELECTRICAL CHARACTERISTICS

#### STANDARD Series

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

Note: V<sub>s</sub>±XX%

#### MINI MELF SERIES

PART NUMBER	DC Spark-Over Voltage	Minimum Insulation Resistance		Maximu Capacitance (1 KHz-6V <sub>MAX</sub> )	Surge current capacity (8/20μs)
	V <sub>s</sub> (V)	Test Voltage	IRohm(MΩ)	C(pF)	(A)
MSA3XX00702-MM	140	50	100	0.8	300
MSA3XX01002-MM	200	100	100	0.8	300
MSA3XX01502-MM	300	100	100	0.8	300

Note: V<sub>s</sub>±XX%