

# Surge Absorber (Spark Gap)



MSA Series

MERITEK

## MSA1-M SERIES

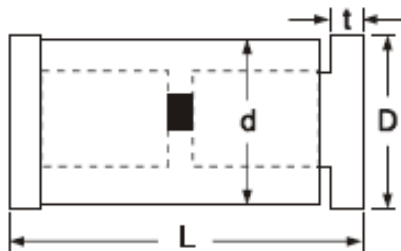
UL E223045

### FEATURES

- Response time < 1ns
- MSA1 Surge Current is 3000A
- 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 | MSA1-M   |
|------|----------|
| L    | 6.0±0.5  |
| D    | φ3.3±0.5 |
| d    | φ3.1±0.5 |
| t    | 0.4±0.1  |

### ELECTRICAL CHARACTERISTICS

| PART NUMBER   | DC Spark-Over Voltage | Minimum Insulation Resistance |                        | Maximu Capacitance (1KHz-6V <sub>MAX</sub> ) | Surge current capacity (8/20μs) |
|---------------|-----------------------|-------------------------------|------------------------|--|---------------------------------|
|               | V <sub>s</sub> (V)    | Test Voltage                  | I <sub>Rohm</sub> (MΩ) | C(pF)  | (A)                             |
| MSA1XX00702-M | 140                   | 50                            | 100                    | 0.8  | 3000                            |
| MSA1XX01002-M | 200                   | 100                           | 100                    | 0.8  | 3000                            |
| MSA1XX01502-M | 300                   | 100                           | 100                    | 0.8  | 3000                            |
| MSA1XX02502-M | 500                   | 250                           | 100                    | 0.8  | 3000                            |
| MSA1XX03502-M | 700                   | 500                           | 100                    | 0.8  | 3000                            |
| MSA1XX05002-M | 1000                  | 500                           | 100                    | 0.8  | 3000                            |

Note: V<sub>s</sub>±XX%