

Surge Absorber (Spark Gap)



MSA Series

MERITEK

UL E223045

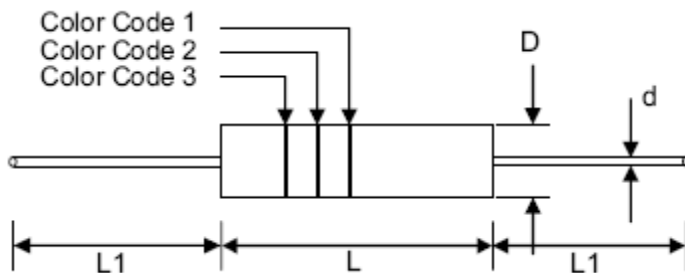
MSA2 SERIES

FEATURES

- Response time < 1ns
- MSA2 Surge Current is 1000A
- Stable and very Small electrostatic capacitance (< 0.8pF) and great isolation (> 100M)
- Standard protection required by US UL497A and UL497B
- Small size



DIMENSION



| Item | MSA2 |
|------|-----------|
| L | 4.3±0.5 |
| | 6.7±0.5 |
| L1 | 28.0±3.0 |
| D | φ2.6±0.5 |
| 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 _{roh} m (MΩ) | C (pF) | 8/20μs (A) | 8/20μs, 100A |
| MSA2XX00702 | 140 | 50 | 100 | 0.8 | 1000 | 200 times |
| MSA2XX01002 | 200 | 100 | 100 | 0.8 | | |
| MSA2XX01102 | 220 | 100 | 100 | 0.8 | | |
| MSA2XX01502 | 300 | 100 | 100 | 0.8 | | |
| MSA2XX02002 | 400 | 250 | 100 | 0.8 | | |
| MSA2XX02502 | 500 | 250 | 100 | 0.8 | | |
| MSA2XX03002 | 600 | 250 | 100 | 0.8 | | |
| MSA2XX03502 | 700 | 500 | 100 | 0.8 | | |
| MSA2XX05002 | 1000 | 500 | 100 | 0.8 | | |
| MSA2XX07502 | 1500 | 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 |
|--------------|--------------|--------------|--------------|
| MSA2XX00702 | Black | Yellow | - |
| MSA2XX01002 | Red | - | - |
| MSA2XX01102 | Red | Red | - |
| MSA2XX01502 | Orange | - | - |
| MSA2XX02002 | Yellow | - | - |
| MSA2XX02502. | Green | - | - |
| MSA2XX03002 | Blue | - | - |
| MSA2XX03502 | Purple | - | - |
| MSA2XX05002 | Black | - | - |
| MSA2XX07502 | Brown | Green | Red |