

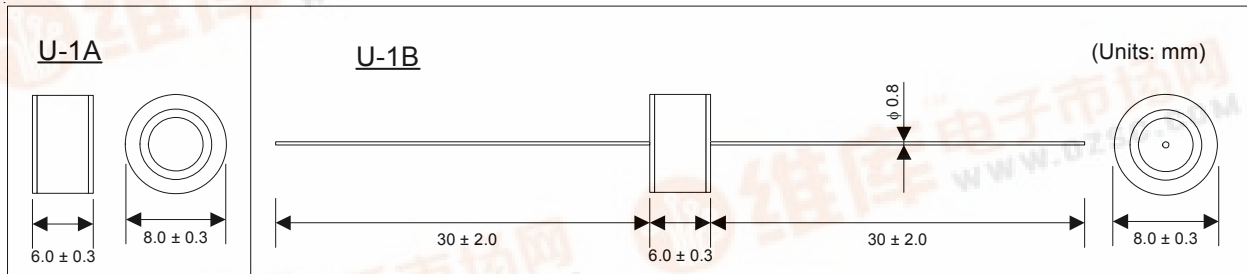
Two Electrode Gas Tube Surge Arrester

Part Number: **U-1B / U-1A**



Applications:

- Transient Voltage Surge Suppression (TVSS)
- Cable Telephony Products
- Modems/Cable Modems
- Broadband/CATV/Coaxial Protectors
- xDSL Modems and Peripherals
- Building Entry/Outside Plant

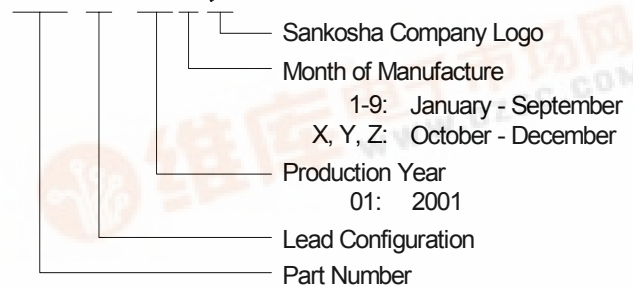


Features:

- UL 497B Recognized
- UL File E140906
- Non-Radioactive
- 100% Lead-Free (RoHS Compliant)
- Low Capacitance
- Proven Performance
- ISO 9001 Certified
- World Renowned Quality

Marking

U-1 B 014 ⚡



Electrical Characteristics

| | | | | | |
|----|---------------------------|--------------|----------------|---|---------|
| 1. | DC Breakdown Voltage | 100 V/sec | 75V ± 20% | | |
| 2. | Impulse Breakdown Voltage | 100 V/μsec | ≤ 500V | | |
| | | 1 kV/μsec | ≤ 700V | | |
| 3. | Insulation Resistance | DC 50V | ≥ 10,000 M-ohm | | |
| 4. | Capacitance | 1 MHz | ≤ 1.0 pF | | |
| 5. | DC Holdover Voltage | See Note | ≤ 52V | Note: ITU-T K.12 or IEEE C62.31-1987 Test Circuit | |
| 6. | Impulse Life | 10/1000 μsec | 500 A | 300 Times | |
| 7. | Impulse Discharge Current | 8/20 μsec | 10 kA | 1 Time | |
| | | 8/20 μsec | 5 kA | Each Polarity 5 Times | |
| 8. | AC Discharge Current | 50 Hz | 9 Cycles | 65 A | 1 Time |
| | | 50 Hz | One Second | 10 A | 5 Times |

After Life Tests

| | | | | | |
|-----|---------------------------|------------|-----------|--|--|
| 9. | DC Breakdown Voltage | 100 V/sec | 75 ± 50% | | |
| 10. | Impulse Breakdown Voltage | 100 V/μsec | ≤ 750V | | |
| 11. | Insulation Resistance | DC 50 V | ≥ 1 M-ohm | | |

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