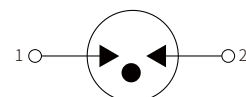


FEATURES

- | Size Design $\Phi 8.0 \times 6.0\text{mm}$
- | High Current Handling Capability 5,000A @ 8/20 μs
- | Low Capacitance and Insertion Loss
- | Quick Response and Long Service Life
- | Moisture sensitivity level: Level 1



$\Phi 8.0 \times 6.0\text{mm}$




Schematic Symbol

APPLICATION INFORMATION

- | Communication equipment.
- | Repeaters, Modems
- | Telephone Interface, Line cards.
- | Data communication equipment.

AGENCY APPROVALS

| Icon | Solderability |
|---|------------------------------------|
| RoHS | Compliance with 2011/65/EU |
| HF | Compliance with IEC61249-2-21:2003 |
|  | Mean lead free |

PRODUCT CHARACTERISTICS

| Lead Material | Body Material | Terminal Finish |
|-----------------------|---------------|-----------------------|
| Copper or Fe-Ni alloy | Ceramics | 100% Matte-Tin Plated |

ELECTRICAL PARAMETER

| Parameter | Symbol | Rating | Unit |
|-----------------------------------|---------------|--|------|
| DC Blocking Voltage 1) | 100V/s | 960-1440 | V |
| Impulse Spark-over Voltage | At 1kV/μs | for 99 % of measured values ≤ 2400 | V |
| | At 1kV/μs | Typical values of distribution ≤ 2350 | V |
| Impulse Discharge Current 2) | 8/20μs | 5 | KA |
| Insulation Resistance | DC=500V | ≥ 1 | GΩ |
| Capacitance at 1MHz | $V_{DC}=0.5V$ | ≤ 1 | pF |
| Operating and Storage Temperature | | -40~125 | °C |

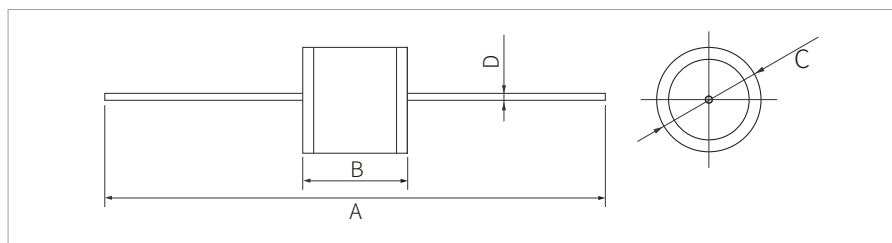
1) In ionized mode

2) Terms and waveforms in accordance with ITU-T Rec. K. 12; IIEC 61643-311

ENVIRONMENTAL RELIABILITY CHARACTERISTICS

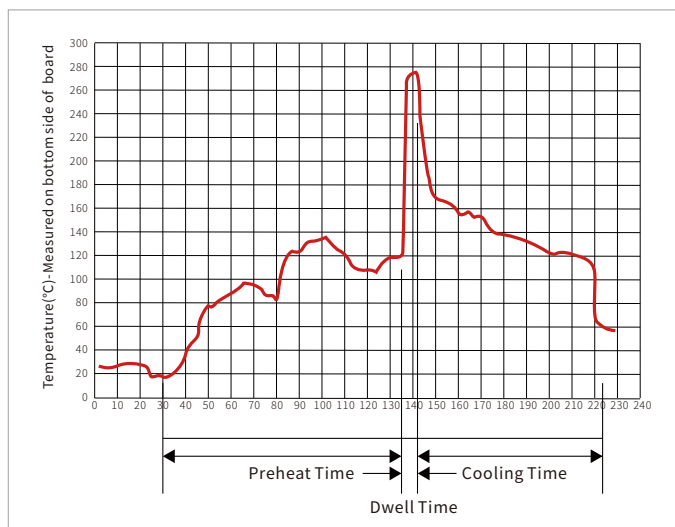
| Testing items | Technical standards |
|-------------------------------|---|
| High Temperature Storage Test | Temperature: 85°C ; Time:2H |
| Low Temperature Storage Test | Temperature: -40°C ; Time:2H |
| Vibration | Frequency: 10-500Hz ; Amplitude:0.15mm ; Time:45min |
| Resistance of soldering heat | Temperature: 260°C; Time of dip soldering:10s,1time |

PRODUCT DIMENSIONS



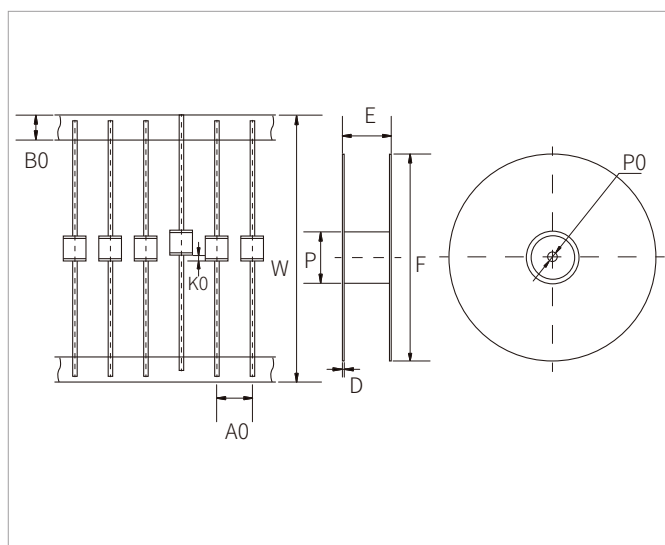
| Ref. | Outline Dimensions |
|------|--------------------|
| | Millimeters |
| A | 62 ± 2 |
| B | 6 ± 0.2 |
| C | $\Phi 8.0 \pm 0.2$ |
| D | $\Phi 0.8$ |

WAVE SOLDERING



| Wave Parameter | | Lead-free assembly |
|------------------------|------------------|--------------------|
| Pre Heat | Temperature Min | 100°C |
| | Temperature Max | 150°C |
| | Time(min to max) | 60 – 180 secs |
| Solder pot Temperature | | 280°C Max |
| Solder Dwell Time | | 2-5 seconds |

TAPE AND REEL SPECIFICATION



| Ref. | Dimensions | |
|------|-------------|-------------|
| | Millimeters | Inches |
| W | 65±2 | 2.559±0.079 |
| A0 | 10±0.5 | 0.394±0.020 |
| B0 | 6±1 | 0.236±0.012 |
| K0 | 1.2 Max. | 0.47 Max. |
| D | 2.5±0.5 | 0.098±0.020 |
| F | 340±2 | 13.39±0.079 |
| E | 73±2 | 2.874±0.079 |
| P | 82±2 | 3.228±0.079 |
| P0 | Φ16±1 | Φ0.63±0.039 |

ORDERING INFORMATION

| Part Number | Size | Marking | Qty/pcs | |
|-------------|------------|---|---------|--------|
| | | | Reel | Carton |
| SG2R08B1200 | Φ8.0*6.0mm |  SG1200 08 | 1000 | 4000 |

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By QR Code

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Wechat

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