



- Hybrid SAD-GDT Technology
- UL497B LISTED
- 20kA I_{max} (1x-8/20us)
- 5kA I_{imp} (2x-10/350us)
- 5kA I_n (10x-8/20us)
- Modular
- 2W+SHIELD+G



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|-------------------------|--|---------|---------------|--|-----------------------------------|-------|-----|----|-------|--|-------------|------------------|-----|-----|-------------|-----|-----|-------------|-----|-----|------------------|-----|----|------|-----|----|----|------|---|--------------------|--|--|------|------|----|--------|--|--|------|------|---|----------|--|--|------------|--------|--------|-----------|-------|----------|-------------------------|------|-----|-------------|------|------|
| | Electrical Characteristics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>G: 3-electrode gas tube Gb: 2-electrode gas tube R: Resistor D: Clamping diode</p> | <table border="1"> <tr><td>Line resistance (± 10%)</td><td></td><td>4.7 Ohm</td></tr> <tr><td>DATA SPD TYPE</td><td></td><td>UL Listed for Hazardous Locations</td></tr> <tr><td>VOLTS</td><td>(V)</td><td>48</td></tr> <tr><td>WIRES</td><td></td><td>2W+Shield+G</td></tr> <tr><td>LINE CURRENT MAX</td><td>(A)</td><td>0.3</td></tr> <tr><td>AMBIENT MIN</td><td>(C)</td><td>-40</td></tr> <tr><td>AMBIENT MAX</td><td>(C)</td><td>+85</td></tr> <tr><td>RESIDUAL VOLTAGE</td><td>(V)</td><td>70</td></tr> <tr><td>MCOV</td><td>(V)</td><td>60</td></tr> <tr><td>IN</td><td>(kA)</td><td>5</td></tr> <tr><td>10 impulses 8/20µs</td><td></td><td></td></tr> <tr><td>IMAX</td><td>(kA)</td><td>20</td></tr> <tr><td>8/20µs</td><td></td><td></td></tr> <tr><td>Iimp</td><td>(kA)</td><td>5</td></tr> <tr><td>10/350µs</td><td></td><td></td></tr> <tr><td>DATA SPEED</td><td>(Mbps)</td><td>10/100</td></tr> <tr><td>FREQUENCY</td><td>(MHz)</td><td>up to 10</td></tr> <tr><td>INSERTION LOSS (@ FREQ)</td><td>(db)</td><td>< 1</td></tr> <tr><td>CAPACITANCE</td><td>(pF)</td><td>< 50</td></tr> </table> | | Line resistance (± 10%) | | 4.7 Ohm | DATA SPD TYPE | | UL Listed for Hazardous Locations | VOLTS | (V) | 48 | WIRES | | 2W+Shield+G | LINE CURRENT MAX | (A) | 0.3 | AMBIENT MIN | (C) | -40 | AMBIENT MAX | (C) | +85 | RESIDUAL VOLTAGE | (V) | 70 | MCOV | (V) | 60 | IN | (kA) | 5 | 10 impulses 8/20µs | | | IMAX | (kA) | 20 | 8/20µs | | | Iimp | (kA) | 5 | 10/350µs | | | DATA SPEED | (Mbps) | 10/100 | FREQUENCY | (MHz) | up to 10 | INSERTION LOSS (@ FREQ) | (db) | < 1 | CAPACITANCE | (pF) | < 50 |
| Line resistance (± 10%) | | 4.7 Ohm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DATA SPD TYPE | | UL Listed for Hazardous Locations | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOLTS | (V) | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WIRES | | 2W+Shield+G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LINE CURRENT MAX | (A) | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AMBIENT MIN | (C) | -40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AMBIENT MAX | (C) | +85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RESIDUAL VOLTAGE | (V) | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MCOV | (V) | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IN | (kA) | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 impulses 8/20µs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IMAX | (kA) | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/20µs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iimp | (kA) | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/350µs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DATA SPEED | (Mbps) | 10/100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FREQUENCY | (MHz) | up to 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSERTION LOSS (@ FREQ) | (db) | < 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAPACITANCE | (pF) | < 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Mechanical Characteristics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Failsafe mode | Short-circuit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TECHNOLOGY | SAD-GDT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | NETWORK CONFIGURATION | 1 Channel (2W+SHIELD+G) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CONNECTION METHOD | Screw terminal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MOUNTING | Din rail | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MATERIAL | Thermoplastic UL94-V0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | NEMA RATING (IP RATING) | NEMA 2 (IP20) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | DIMENSIONS | See diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | WEIGHT | 0.30 lbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SPARE PART | DLAM-48D3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Standards | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Certification | UL Listed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | UL STANDARD | UL497B & UL121201 Hazardous Location | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | UL CATEGORY | QVQG & QVSI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | UL FILE NUMBER | E184939 & E527349 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | UL121201 HAZARDOUS LOCATION | Class I, Division 2, Groups A, B, C & D: Operating. Temp. T5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | STANDARDS | IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ENVIRONMENTAL STANDARDS | ROHS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Part number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 897013 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

