



- ↳ Hybrid SAD-GDT Technology
- ↳ UL497B LISTED
- ↳ 20kA I<sub>max</sub> (1x 8/20 $\mu$ s)
- ↳ 5kA I<sub>mp</sub> (2x 10/350 $\mu$ s)
- ↳ 5kA I<sub>n</sub> (10x 8/20 $\mu$ s)
- ↳ Modular
- ↳ 2W+SHIELD+G

	<b>Electrical Characteristics</b>																																																																						
<p>G: 3-electrode gas tube Gb: 2-electrode gas tube R: Resistor D: Clamping diode</p>	<table border="1"> <tr><td>Network</td><td></td><td>RS232, RS485</td></tr> <tr><td>Max. DC operating voltage</td><td>U<sub>c</sub></td><td>15 Vdc</td></tr> <tr><td>Max. frequency</td><td>f max.</td><td>&gt; 3 MHz</td></tr> <tr><td>Insertion loss</td><td></td><td>&lt; 1 dB</td></tr> <tr><td>Max. load current @25°C</td><td>IL</td><td>300 mA</td></tr> <tr><td>Protection Level <i>C3 (10/1000<math>\mu</math>s), 300 applications@10 A, X-X (Line/Line)</i></td><td>U<sub>p</sub></td><td>30 V</td></tr> <tr><td>Protection level <i>C3 (10/1000<math>\mu</math>s), 300 applications@10 A, X-C (Line/Earth)</i></td><td>U<sub>p</sub></td><td>20 V</td></tr> <tr><td>Impulse current <i>2 x 10/350<math>\mu</math>s Test - D1 Category</i></td><td>I<sub>imp</sub></td><td>5 kA</td></tr> <tr><td>Nominal Discharge Current, X-C (Line/Earth) <i>8/20<math>\mu</math>s Test x 10 - C2 Category</i></td><td>I<sub>n</sub> L/PE</td><td>5 kA</td></tr> <tr><td>Line resistance (<math>\pm</math> 10%)</td><td></td><td>4.7 Ohm</td></tr> <tr><td>DATA SPD TYPE</td><td></td><td>UL497B LISTED</td></tr> <tr><td>VOLTS</td><td>(V)</td><td>12</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>-50</td></tr> <tr><td>AMBIENT MAX</td><td>(C)</td><td>+85</td></tr> <tr><td>RESIDUAL VOLTAGE</td><td>(V)</td><td>30</td></tr> <tr><td>MCOV</td><td>(V)</td><td>15</td></tr> <tr><td>I<sub>N</sub> <i>10 impulses 8/20<math>\mu</math>s</i></td><td>(kA)</td><td>5</td></tr> <tr><td>I<sub>MAX</sub> <i>8/20<math>\mu</math>s</i></td><td>(kA)</td><td>20</td></tr> <tr><td>I<sub>imp</sub> <i>10/350<math>\mu</math>s</i></td><td>(kA)</td><td>5</td></tr> <tr><td>DATA SPEED</td><td>(Mbps)</td><td>10/100</td></tr> <tr><td>INSERTION LOSS (@ FREQ)</td><td>(db)</td><td>&lt; 1</td></tr> </table>		Network		RS232, RS485	Max. DC operating voltage	U <sub>c</sub>	15 Vdc	Max. frequency	f max.	> 3 MHz	Insertion loss		< 1 dB	Max. load current @25°C	IL	300 mA	Protection Level <i>C3 (10/1000<math>\mu</math>s), 300 applications@10 A, X-X (Line/Line)</i>	U <sub>p</sub>	30 V	Protection level <i>C3 (10/1000<math>\mu</math>s), 300 applications@10 A, X-C (Line/Earth)</i>	U <sub>p</sub>	20 V	Impulse current <i>2 x 10/350<math>\mu</math>s Test - D1 Category</i>	I <sub>imp</sub>	5 kA	Nominal Discharge Current, X-C (Line/Earth) <i>8/20<math>\mu</math>s Test x 10 - C2 Category</i>	I <sub>n</sub> L/PE	5 kA	Line resistance ( $\pm$ 10%)		4.7 Ohm	DATA SPD TYPE		UL497B LISTED	VOLTS	(V)	12	WIRES		2W+SHIELD+G	LINE CURRENT MAX	(A)	0.3	AMBIENT MIN	(C)	-50	AMBIENT MAX	(C)	+85	RESIDUAL VOLTAGE	(V)	30	MCOV	(V)	15	I <sub>N</sub> <i>10 impulses 8/20<math>\mu</math>s</i>	(kA)	5	I <sub>MAX</sub> <i>8/20<math>\mu</math>s</i>	(kA)	20	I <sub>imp</sub> <i>10/350<math>\mu</math>s</i>	(kA)	5	DATA SPEED	(Mbps)	10/100	INSERTION LOSS (@ FREQ)	(db)	< 1
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