



CITEL

UL497B LISTED - I_{max} 20kA - In 5kA - Modular

DLA-06D3G



- Hybrid SAD-GDT Technology
- Compact 6mm module
- UL497B LISTED
- 10kA I_{max} (1x 8/20 μ s)
- 2.5kA I_{imp} (2x 10/350 μ s)
- 5kA I_n (10x 8/20 μ s)
- 2W+SHIELD+G
- Common/Differential mode protection

	Electrical Characteristics																																														
<p>G: 3-electrode gas tube Gb: 2-electrode gas tube R: Resistor D: Clamping diode SG: Signal ground</p>	<table border="1"> <tr> <td>Network</td> <td>CAN, Profibus DP, RS485</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc 8 Vdc</td> </tr> <tr> <td>Max. load current @25°C</td> <td>IL 750 mA</td> </tr> <tr> <td>Nominal Discharge Current C2 (1.2/50μs / 8/20μs), 10 applications, X-X (Line/Line), X-SG (Line/Signal Ground)</td> <td>In 10 kA</td> </tr> <tr> <td>Nominal Discharge Current C2 (1.2/50μs / 8/20μs), 10 applications, X-C (Line/Earth), SG-C (Signal Ground/Earth)</td> <td>In 10 kA</td> </tr> <tr> <td>Protection Level C3 (10/1000μs), 300 applications@10 A, Y-Y (Line-Line), Y-SG (Line-Signal Ground)</td> <td>Up 30 V</td> </tr> <tr> <td>Protection Level C3 (10/1000μs), 300 applications@10 A, Y-C (Line-Earth), SG-C (Signal Ground-Earth)</td> <td>Up 650 V</td> </tr> <tr> <td>Impulse current D1 (10/350μs), 2 applications, X-C (Line/Earth), X-SG (Line/Signal Ground) and SG-C</td> <td>I_{imp} 2.5 kA</td> </tr> <tr> <td>Line resistance (\pm 10%)</td> <td>1.5 Ohm</td> </tr> <tr> <td>DATA SPD TYPE</td> <td>UL497B LISTED</td> </tr> <tr> <td>VOLTS</td> <td>(V) 6</td> </tr> <tr> <td>WIRES</td> <td>2W+Shield+G</td> </tr> <tr> <td>LINE CURRENT MAX</td> <td>(A) 0.3</td> </tr> <tr> <td>AMBIENT MIN</td> <td>(C) -50</td> </tr> <tr> <td>AMBIENT MAX</td> <td>(C) +85</td> </tr> <tr> <td>RESIDUAL VOLTAGE</td> <td>(V) 20</td> </tr> <tr> <td>MCOV</td> <td>(V) 8/72/72</td> </tr> <tr> <td>IN 10 impulses 8/20μs</td> <td>(kA) 5</td> </tr> <tr> <td>IMAX 8/20μs</td> <td>(kA) 10</td> </tr> <tr> <td>I_{imp} 10/350μs</td> <td>(kA) 2.5</td> </tr> <tr> <td>DATA SPEED</td> <td>(Mbps) up to 10MHz</td> </tr> <tr> <td>FREQUENCY</td> <td>(MHz) up to 10</td> </tr> <tr> <td>INSERTION LOSS (@ FREQ)</td> <td>(db) < 1</td> </tr> </table>	Network	CAN, Profibus DP, RS485	Max. DC operating voltage	Uc 8 Vdc	Max. load current @25°C	IL 750 mA	Nominal Discharge Current C2 (1.2/50 μ s / 8/20 μ s), 10 applications, X-X (Line/Line), X-SG (Line/Signal Ground)	In 10 kA	Nominal Discharge Current C2 (1.2/50 μ s / 8/20 μ s), 10 applications, X-C (Line/Earth), SG-C (Signal Ground/Earth)	In 10 kA	Protection Level C3 (10/1000 μ s), 300 applications@10 A, Y-Y (Line-Line), Y-SG (Line-Signal Ground)	Up 30 V	Protection Level C3 (10/1000 μ s), 300 applications@10 A, Y-C (Line-Earth), SG-C (Signal Ground-Earth)	Up 650 V	Impulse current D1 (10/350 μ s), 2 applications, X-C (Line/Earth), X-SG (Line/Signal Ground) and SG-C	I _{imp} 2.5 kA	Line resistance (\pm 10%)	1.5 Ohm	DATA SPD TYPE	UL497B LISTED	VOLTS	(V) 6	WIRES	2W+Shield+G	LINE CURRENT MAX	(A) 0.3	AMBIENT MIN	(C) -50	AMBIENT MAX	(C) +85	RESIDUAL VOLTAGE	(V) 20	MCOV	(V) 8/72/72	IN 10 impulses 8/20 μ s	(kA) 5	IMAX 8/20 μ s	(kA) 10	I _{imp} 10/350 μ s	(kA) 2.5	DATA SPEED	(Mbps) up to 10MHz	FREQUENCY	(MHz) up to 10	INSERTION LOSS (@ FREQ)	(db) < 1
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WEIGHT	0.30 lbs
Standards	
UL STANDARD	UL497B
UL CATEGORY	QVGQ
UL FILE NUMBER	E184939
STANDARDS	IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS	ROHS
Part number	
640191	

