



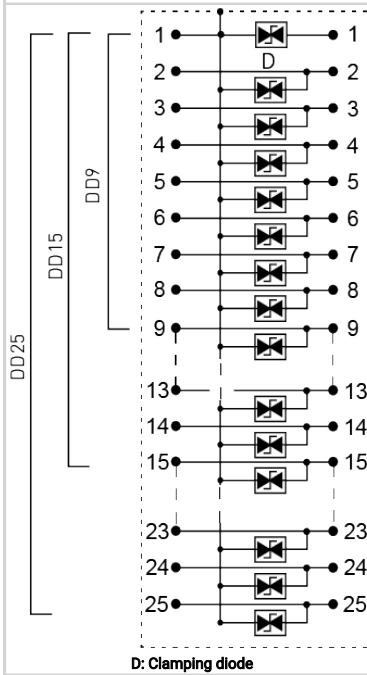
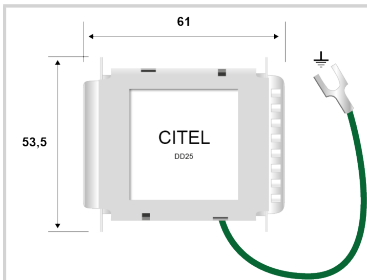
# CITEL

## DATA LINE SPD - UL497B - I<sub>max</sub> 1kA - In 1kA

### DD25-6V



- Data Line Surge Protector for RS Networks • 9, 15 and 25-Pin D-Sub Connectors • Supports Data Rates Up to 40Mbps • Fast and Easy Installation • Ideal for Equipment Level Protection • UL497B Listed



Electrical Characteristics		
Network		RS422, RS423
Max. DC operating voltage	Uc	6 Vdc
Max. frequency	f max.	> 10 MHz
Max. data rate		< 40 Mbps
Insertion loss		< 1 dB
Max. load current @25°C	IL	750 mA
Nominal Discharge Current, X-C (Line/Earth) 8/20µs Test x 10 - C2 Category	In L/PE	400 A
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)	Up	7.5 V
Protection Level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)	Up	7.5 V
Max. capacitance	C	< 30 pF
Capacitance @1MHz, X-C (Line/Earth)	C	< 500 pF
DATA SPD TYPE		UL497B LISTED
VOLTS	(V)	6
LINE CURRENT MAX	(A)	0.3
AMBIENT MIN	(C)	-50
AMBIENT MAX	(C)	+85
RESIDUAL VOLTAGE	(V)	20
MCOV	(V)	8/72/72
IMAX 8/20µs	(kA)	1
Iimp 10/350µs	(kA)	
DATA SPEED	(Mbps)	up to 10MHz
Installation		
Operating Temperature <sub>Min</sub>	°C	-40.0000
Operating Temperature <sub>Max</sub>	°C	85.0000
Operating Temperature <sub>Min</sub>	°F	-40.0000
Operating Temperature <sub>Max</sub>	°F	85.0000
Operating Relative Humidity <sub>Max</sub>	%RH	95
Operating Altitude <sub>Min</sub>	Ft	2000.0000
Operating Altitude <sub>Max</sub>	Ft	6500.0000
Housing/Enclosure material		Thermoplastic
Flammability rating <sub>UL 94</sub>		V0
Mounting		D-Sub connector
IP Environmental rating <sub>IP</sub>		IP20
Installation Location		Indoor
Accessories		90° Stainless steel bracket
Product Dimension <sub>L</sub>	mm	61.0000
Product Dimension <sub>W</sub>	mm	53.5000
Product Dimension <sub>L</sub>	In	2.4000
Product Dimension <sub>W</sub>	In	2.1000
Miscellaneous		
Individual Pack		Yes
Storage Temperature <sub>Min</sub>	°C	-40.0000
Storage Temperature <sub>Max</sub>	°C	85.0000
Storage Temperature <sub>Min</sub>	°F	-40.0000
Storage Temperature <sub>Max</sub>	°F	85.0000
Storage Relative Humidity <sub>Max</sub>	%RH	95.0000
Installation		
Cable type		Serial cable
Mechanical Characteristics		
Technology		Diode écrétage
Connection to Network		D-Sub 25 pts Male/Female Input/output



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Format	In/out D-Sub connector unit
Failsafe mode	Short-circuit - transmission cut-off - fault mode 2
Pinout	all wires transmitted and protected
TECHNOLOGY	SAD
CONNECTION METHOD	25-pin D-sub connector
MOUNTING	SURFACE MOUNT
MATERIAL	Thermoplastic UL94-V0
NEMA RATING (IP RATING)	NEMA 2 (IP20)
DIMENSIONS	See diagram
WEIGHT	0.30 lbs
SPARE PART	n/a
<b>Standards</b>	
UL STANDARD	UL497B
UL CATEGORY	QVGQ
UL FILE NUMBER	E184939
STANDARDS	IEC 61643-21
ENVIRONMENTAL STANDARDS	ROHS
<b>Part number</b>	
<b>891725</b>	

