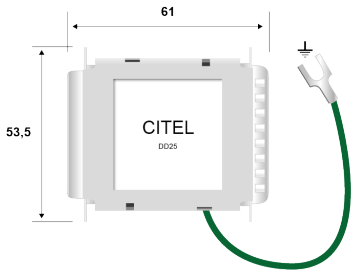
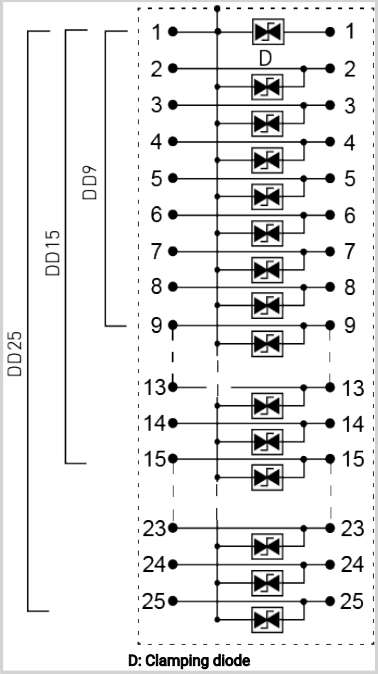
D-SUB DATA LINE SPD - UL497B

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





D: Clamping diode

Electrical Characteristics		
Network		RS422, RS423
Nominal line voltage	Un	5 Vdc
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, Y-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
limp *10/350µs*	(kA)	
DATA SPEED	(Mbps)	up to 10MHz
Installation		
Operating Temperature*Min*	°C	-40.0000
Operating Temperature*Max*	°C	85.0000
Operating Temperature*Min*	°F	-40.0000
Operating Temperature*Max*	°F	85.0000
Operating Relative Humidity*Max*	%RH	95
Operating Altitude*Min*	Ft	2000.0000
Operating Altitude*Max*	Ft	6500.0000
Housing/Enclosure material		Thermoplastic
Flammability rating*UL 94*		V0
Mounting		D-Sub connector
IP Environmental rating*IP*		IP20
Installation Location		Indoor
Accessories		90° Stainless steel bracket
Product Dimension*L*	mm	61.0000
Product Dimension*W*	mm	53.5000
Product Dimension*L*	In	2.4000
Product Dimension*W*	In	2.1000
Miscelaneous		
Individual Pack		Yes
Storage Temperature*Min*	°C	-40.0000
Storage Temperature*Max*	°C	85.0000
Storage Temperature*Min*	°F	-40.0000
Storage Temperature*Max*	°F	85.0000
Storage Relative Humidity*Max*	%RH	95.0000
Installation		
Cable type		Serial cable
Mechanical Characteristics		
Technology		Diode écrêtage

DD25-6V

Connection to Network		D-Sub 25 pts Male/Female Input/output
Format		In/out D-Sub connector unit
Mounting		On cable
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Short-circuit - transmision 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
Standards		
Environmental standards		EU RoHS
UL STANDARD		UL497B
UL CATEGORY		QVGQ
UL FILE NUMBER		E184939
STANDARDS		IEC 61643-21
Part number		
891725		