



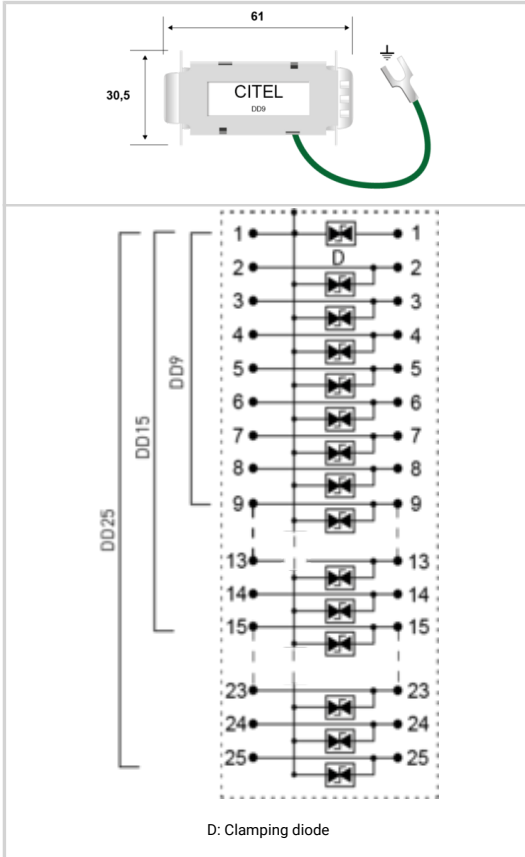
DATA LINE SPD - UL497B - I_{max} 1kA - I_n 1kA

CITEL

DD9-6V



- 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	U _c	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
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I _{max} Total	20 kA
Protection mode(s)		Common/Differential mode
Protection Level <i>C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)</i>	Up	7.5 V
Protection level <i>C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)</i>	Up	20 V
Max. capacitance	C	< 30 pF
Impulse current <i>2 x 10/350μs Test - D1 Category</i>	limp	2.5 kA
Nominal discharge current <i>C2 Category</i>	I _n	5 kA
Nominal Discharge Current, X-C (Line/Earth) <i>8/20μs Test x 10 - C2 Category</i>	I _n L/PE	400 A
Capacitance <i>@1MHz, X-C (Line/Earth)</i>	C	< 500 pF
DATA SPD TYPE		UL497B LISTED
VOLTS	(V)	6
WIRES		9W+GROUND
LINE CURRENT MAX	(A)	0.3
AMBIENT MIN	(C)	-50
AMBIENT MAX	(C)	+85
RESIDUAL VOLTAGE	(V)	20
MCOV	(V)	8/72/72
IMAX <i>8/20μs</i>	(kA)	1
limp <i>10/350μs</i>	(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	30.5000
Product Dimension _L	In	2.4000
Product Dimension _W	In	1.2000
Miscellaneous		
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		

DD9-6V

Technology	Diode écrêtage
Connection to Network	D-Sub 9 pts male/female Input/output
Format	In/out D-Sub connector unit
Failsafe mode	Short-circuit - transmission cut-off - fault mode 2
Pinout	all wires transmitted and protected
Weight	0.063 kg
TECHNOLOGY	SAD
NETWORK CONFIGURATION	15W+G
CONNECTION METHOD	9-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	
Certification	UL 497B
UL STANDARD	UL497B
UL CATEGORY	QVGQ
UL FILE NUMBER	E184939
STANDARDS	IEC 61643-21
ENVIRONMENTAL STANDARDS	ROHS
Part number	
6148	