

SD-2510

Diode for arrays of photovoltaic solar panels. Maximum current 10Amp.

This device is planned to facilitate designers and installers of photovoltaic systems, in mounting the diode which stops the recirculation current, on strings of solar panels.

In fact, being galvanically isolated, it allows not to mount the IP20 protection nor insulate the body.

The adapter makes the DIN rail mounting quickly and safely. The working voltage allows its use for equipments according to the IEC 60364-7-712 standards.

FEATURES

- Electrically insulated
- High reverse blocking voltage
- Good thermal dissipation
- Galvanic insulation >3750Vac for 5 sec.
- Maximum values for the inserted diode 25A 2000V
- Section of terminals 6,4 mm²



Symbols	Parameters	Conditions	SD 2510-A	SD 2510-B	Units
V _L	Max Working DC Voltage (IEC60364-7-712)	150 °C - 5 mA	500	1000	V
V _{rrm}	Max reverse Voltage (IEC60364-7-712)	T _j =175°C	1000	2000	V
V _f	Max forward voltage drop for diode	I _f = 10A	0,98	1,98	V
I _{avg}	Maximum Average current for diode	DC Conduction	10 @ 85	10 @ 85	A @°C
I _{fsm}	Max non repetitive surge current	10ms-V _r =0	383	383	A
I ² t	Max. fusing capability	10ms-V _r =0	733	733	A2s
T _j (max)	Max. operating junction temperature		175	175	°C
T _c -max	Max case temperature	DC Conduction (single)	90	90	°C
T _c	Max heatsink temperature	At 40°C room temperature	72	89	°C
	Dimensions (L x W x H)		24x77x105	24x77x105	mm
W	Weight		235	235	g

Last verify of electrical parameters made on January 15, 2010.

WARNING: Agentech srl reserves the right to change features and dimensions without prior notice.