

Diodi di Stringa

String Diodes

Per impianti fotovoltaici.
String Diodes for photovoltaic panels.

TECHNICAL DATA

DS_OCR_07
REV. 00 – 10/11/2023

MADE IN ITALY

Symbol	Parameters	Conditions	Values	Units
OCD3D1-20A				
VL	Maximum voltage string	T 150°C	1000	V
Vrrm	Repetitive peak reverse voltage (IEC60364-7-712)	Tj 175°C	2000	V
Vf	Forward voltage	If = 20A	1	V
Iavg	Maximum continuous current for single diode	Tamb. 40°C	20	A
I _{fsm}	Surge forward current	Tvj=25°C; 10ms	375	A
I ² t	I ² t value	Tvj=25°C; 10ms	700	A ² S
Tj (max)	Junction temperature		180	°C
Tcase (max)	Heatsink temperature		100	°C
Rth j-c	Thermal resistance junction to case		3	°C/W
Ird	Direct reverse current		max. 4	mA
Qrr	Recovered charge	Tvj=10°C; Vrd=Vrrm	20	uC
Tvj	Virtual junction temperature	Tvj=160°C; -df/dt=10A/μs	da -40 a + 180	°C
Visol	Insulation test voltage (r.m.s)		6000	V
	Size (L x W x H)		100x105x45	mm
	Weight		240	gr



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