Ordering number : EN2794C



ON Semiconductor DATA SHEET

DSM10G

_ Diffused Junction Silicon Diode

1.0A Power Rectifier

Features

• Facilitates automatic mounting and miniaturization in end products.

Peak reverse voltage: V_{RM}=600V.
Average output current: I_O=1.0A.

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	VRM		600	V
Average Output Current	Ю	50Hz sine wave, mounted on an alumina board	1.0	А
		Load resistor, mounted on a PCB	0.75	Α
Surge Forward Current	IFSM	50Hz sine wave, non-repetitive, 1 cycle peak value	25	Α
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

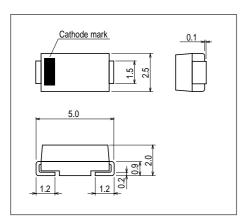
Electrical Characteristics at Ta=25°C

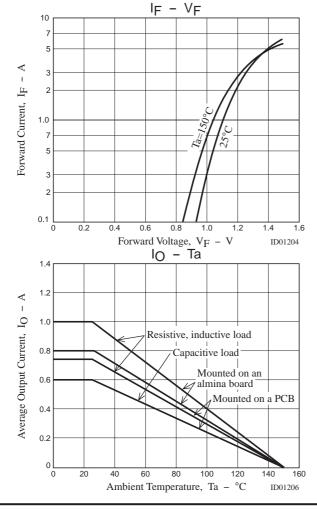
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Forward Voltage	٧F	I _F =1A			1.1	V
Reverse Current	IR	V _R =V _{RM}			10	μΑ
Thermal Resistance	θj-l	Junction-Lead			23	°C/W
	θј-а	Junction-Ambient Mounted on an alumina board			108	°C/W
		Mounted on a PCB			157	°C/W

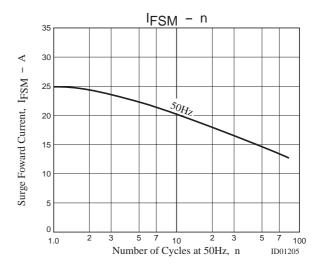
Package Dimensions

unit : mm (typ)

1188







DSM₁₀G

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