



1.0A Power Rectifier

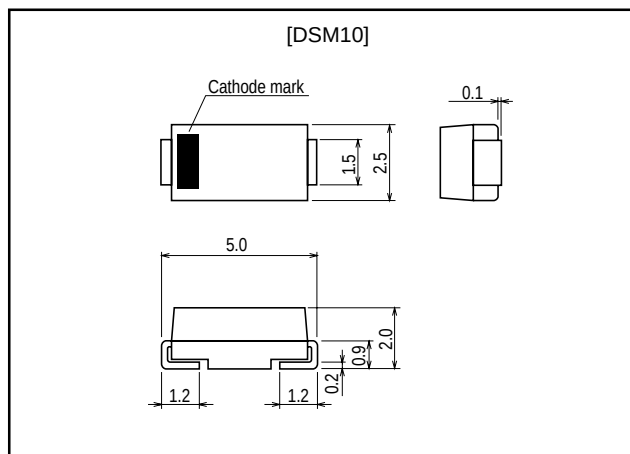
Features

- Facilitates automatic mounting and miniaturization in end products.
- Peak reverse voltage : $V_{RM}=200, 600V$.
- Average rectified current : $I_O=1.0A$.

Package Dimensions

unit : mm

1188



Specifications

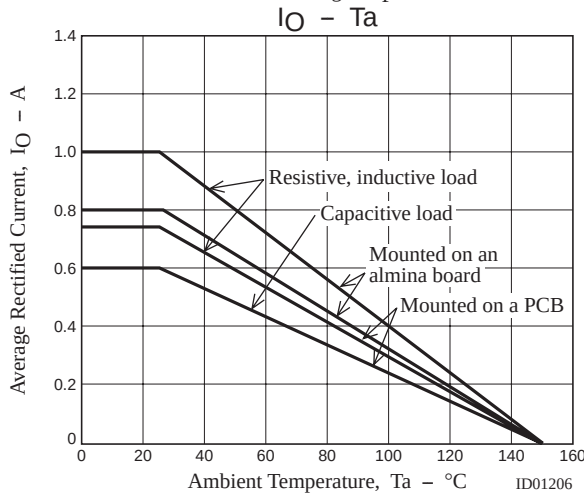
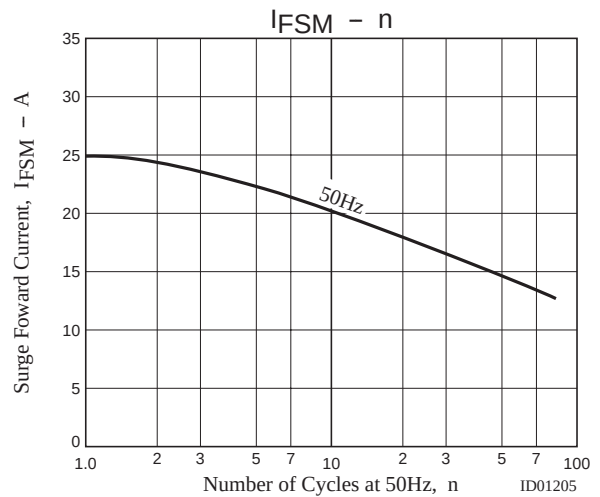
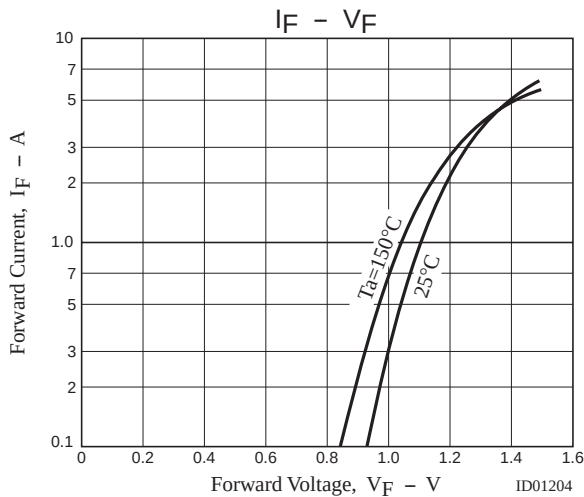
Absolute Maximum Ratings at $T_a=25^{\circ}C$

Parameter	Symbol	Conditions	DSM10C	DSM10G	Unit
Peak Reverse Voltage	V_{RM}		200	600	V
Average Rectified Current	I_O	50Hz sine wave, mounted on an alumina board	→	1.0	A
		Load resistor, mounted on a PCB	→	0.75	A
Surge Forward Current	I_{FSM}	50Hz sine wave, non-repetitive, 1 cycle peak value	→	25	A
Junction Temperature	T_j		→	150	$^{\circ}C$
Storage Temperature	T_{stg}		→	-55 to +150	$^{\circ}C$

Electrical Characteristics at $T_a=25^{\circ}C$

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=1A$			1.1	V
Reverse Current	I_R	$V_R=V_{RM}$			10	μA
Thermal Resistance	θ_{j-l}	Junction-Lead			23	$^{\circ}C/W$
	θ_{j-a}	Junction-Ambient Mounted on an alumina board			108	$^{\circ}C/W$
		Mounted on a PCB			157	$^{\circ}C/W$

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