

**SANYO**

No.2794

**DSM10**

Silicon Diffused Junction Type

1.0A Power Rectifier

**Features**

- Meets the requirements for automatic mounter and permits DSM10-applied sets to be made smaller
- Peak reverse voltage :  $V_{RM} = -200$  to  $-600V$
- Average rectified current :  $I_O = 1.0A$

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

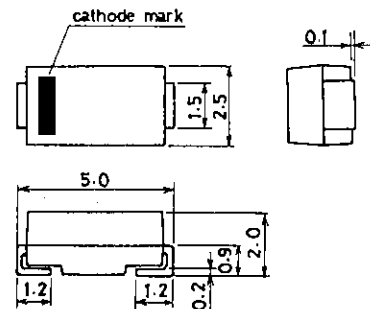
		DSM10C	DSM10E	DSM10G	unit
Peak Reverse Voltage	$V_{RM}$	-200	-400	-600	V
Average Rectified Current $I_O$	50Hz sine wave, mounted on alumina board	→	→	1.0	A
Surge Forward Current	$I_{FSM}$ { 50Hz sine wave, non-repetitive, 1 cycle peak value	Load resistor, mounted on PCB	→	→	0.75 A
			→	→	25 A
Junction Temperature	$T_j$	→	→	150	$^\circ C$
Storage Temperature	$T_{stg}$	→	→	-55 to +150	$^\circ C$

**Electrical Characteristics at  $T_a = 25^\circ C$**

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

**Package Dimensions 1188**

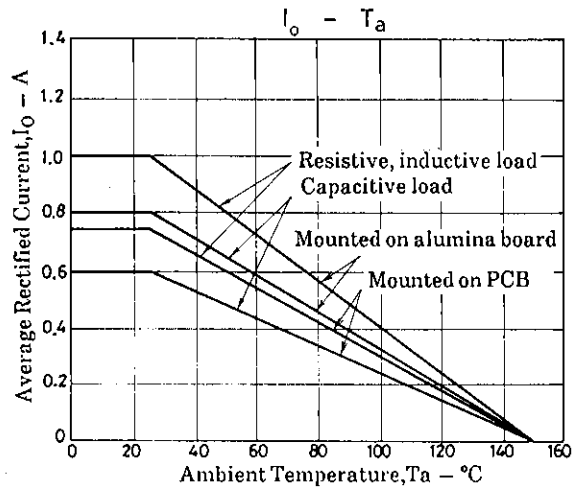
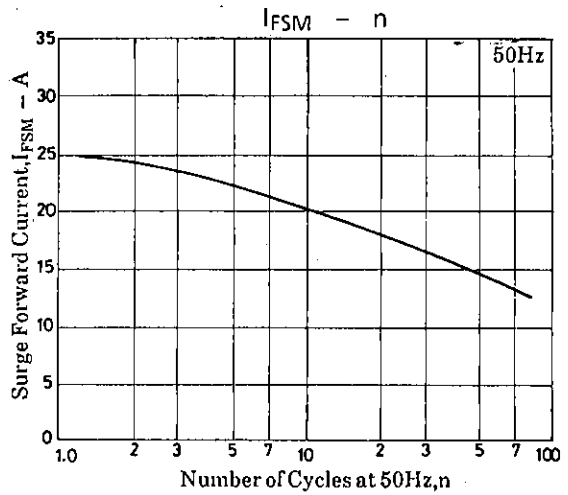
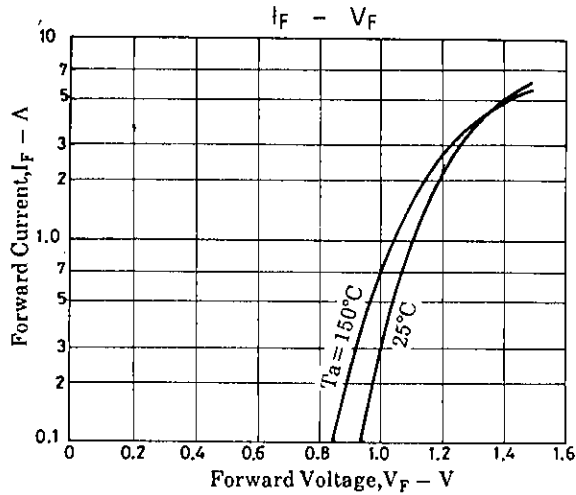
(unit: mm)



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DSM10



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