

SANYO	No.2794	DSM10
		Silicon Diffused Junction Type 1.0A Power Rectifier

Features

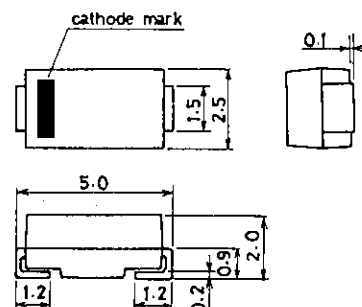
- Meets the requirements for automatic mounter and permits DSM10-applied sets to be made smaller
- Peak reverse voltage : $V_{RM} = -200$ to $-600V$
- Average rectified current : $I_O = 1.0A$

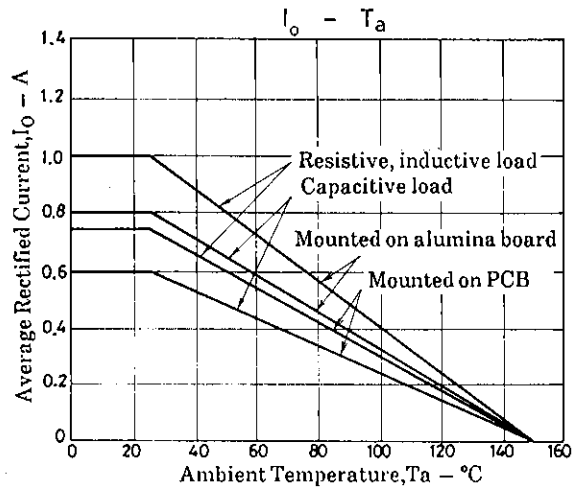
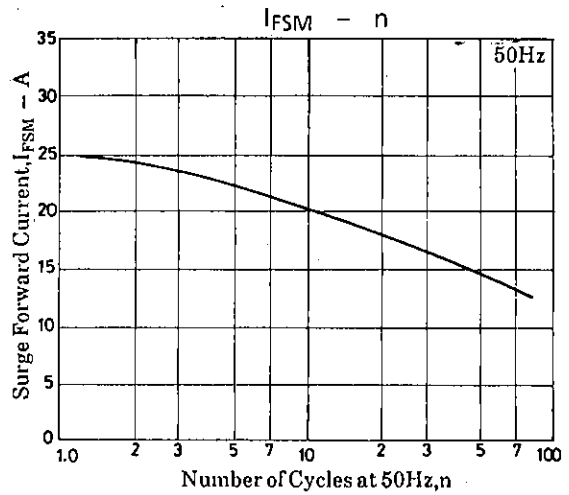
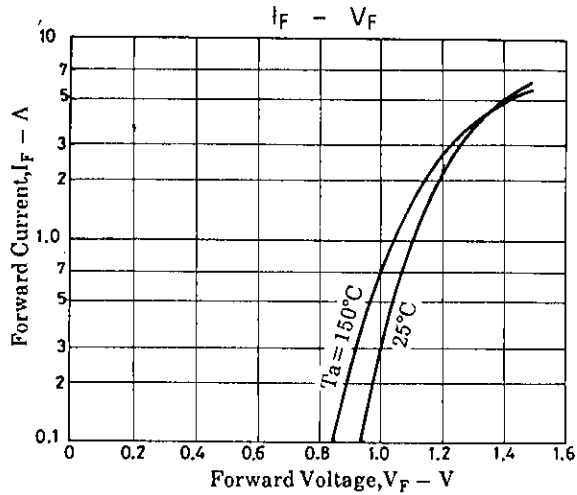
Absolute Maximum Ratings at $T_a = 25^\circ C$

		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	Load resistor, mounted on PCB	→	→	0.75	A
	50Hz sine wave,	→	→	25	A
	non-repetitive, 1 cycle peak value				
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	μA
Thermal Resistance	θ_{j-l}	Junction-Lead			23	$^\circ C/W$
	θ_{j-a}	Junction-Ambient			108	$^\circ C/W$
		Mounted on alumina board			157	$^\circ C/W$
		Mounted on PCB				

Package Dimensions 1188
(unit: mm)



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