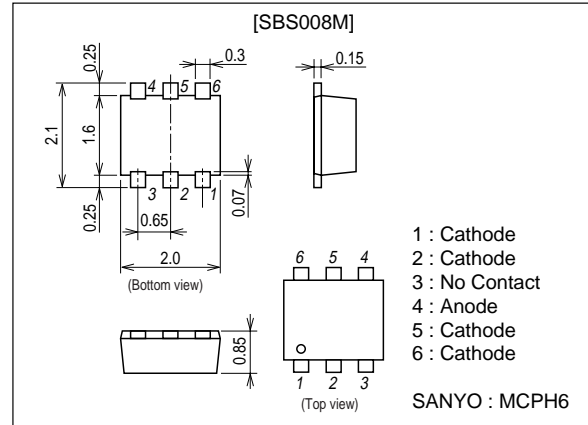


**SBS008M****15V, 2A Rectifier****Applications**

- High frequency rectification (switching regulators, converters, choppers).

**Features**

- Low forward voltage ( $I_F=1A$ ,  $V_F \text{ max}=0.32V$ ) ( $I_F=2A$ ,  $V_F \text{ max}=0.36V$ ).
- Ultrasmall package permitting applied sets to be small and slim (mounting height 0.85mm).

**Package Dimensions**unit : mm  
1327**Specifications**Absolute Maximum Ratings at  $T_a=25^\circ\text{C}$ 

Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$		15	V
Nonrepetitive Peak Reverse Surge Voltage	$V_{RSM}$		15	V
Average Output Current	$I_O$		2	A
Surge Forward Current	$I_{FSM}$	50Hz sine wave, 1 cycle	10	A
Junction Temperature	$T_J$		-55 to +125	$^\circ\text{C}$
Storage Temperature	$T_{stg}$		-55 to +125	$^\circ\text{C}$

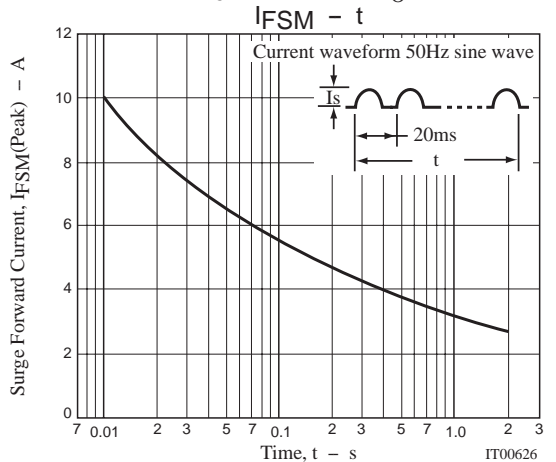
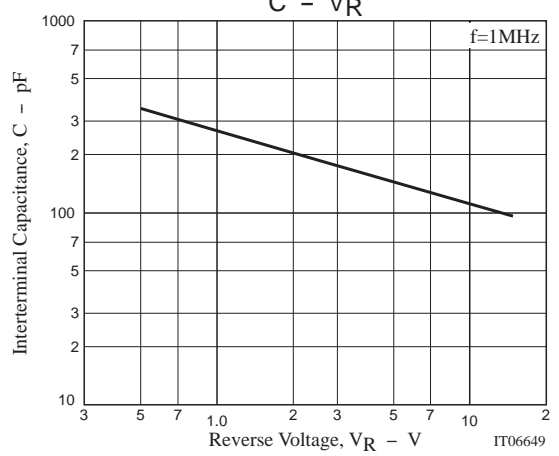
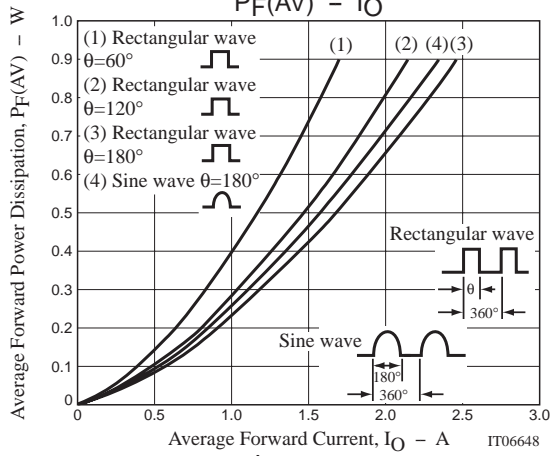
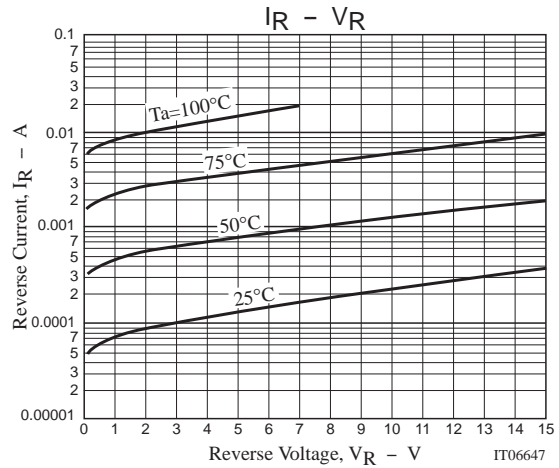
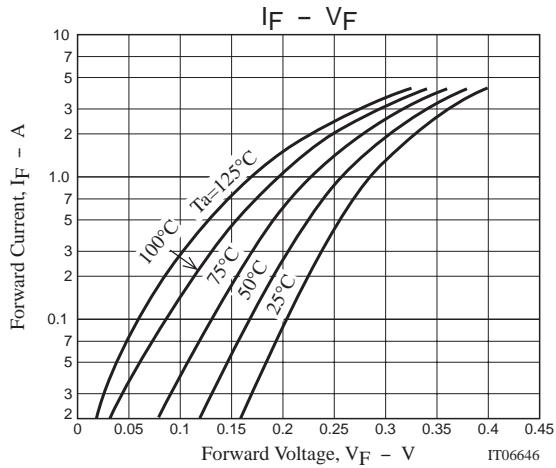
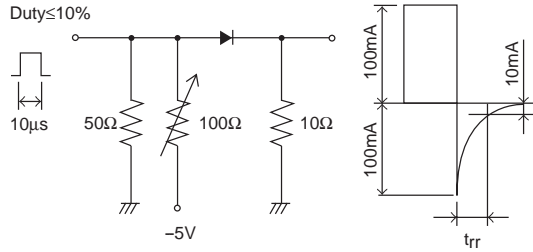
Electrical Characteristics at  $T_a=25^\circ\text{C}$ 

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	$V_R$	$I_R=1.5\text{mA}$	15			V
Forward Voltage	$V_{F1}$	$I_F=1A$		0.28	0.32	V
	$V_{F2}$	$I_F=2A$		0.32	0.36	V
Reverse Current	$I_R$	$V_R=6V$			1.2	mA
Interterminal Capacitance	$C$	$V_R=10V$ , $f=1\text{MHz}$		110		pF
Reverse Recovery Time	$t_{rr}$	$I_F=I_R=100\text{mA}$ , See specified Test Circuit.			20	ns
Thermal Resistance	$R_{th(j-a)}$	Mounted on a ceramic board (600mm <sup>2</sup> X0.8mm)		115		$^\circ\text{C} / \text{W}$

Marking : SA

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trr Test Circuit



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