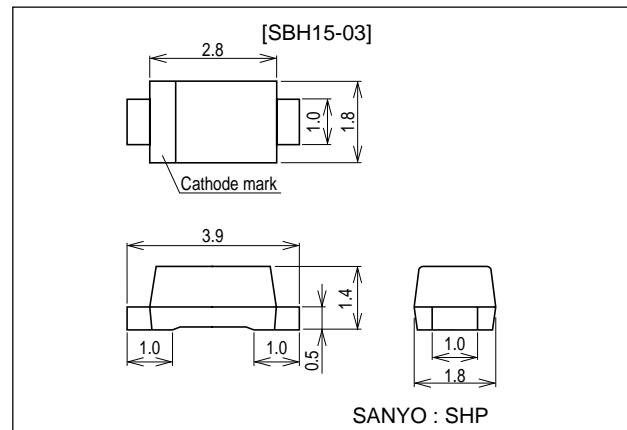


**SBH15-03****30V, 1.5A Rectifier****Features**

- Supports automatic mounting and permits SBH15-03 applied sets to be made smaller.
- Low forward voltage ( $V_F$  max=0.3V).
- Average rectified current :  $I_O=1.5A$ .

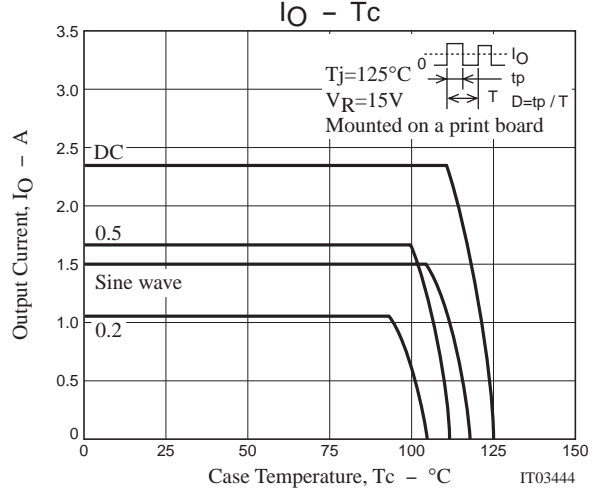
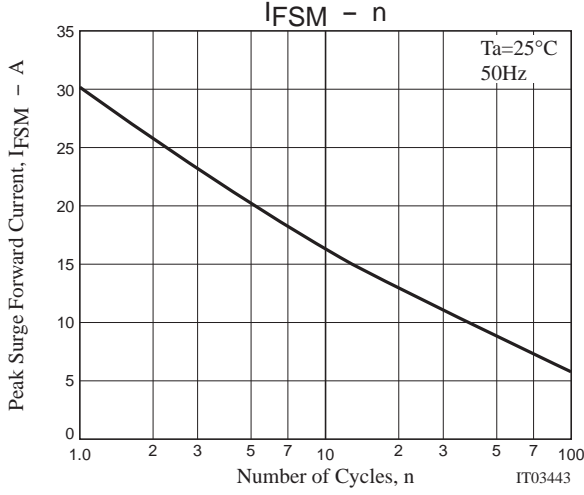
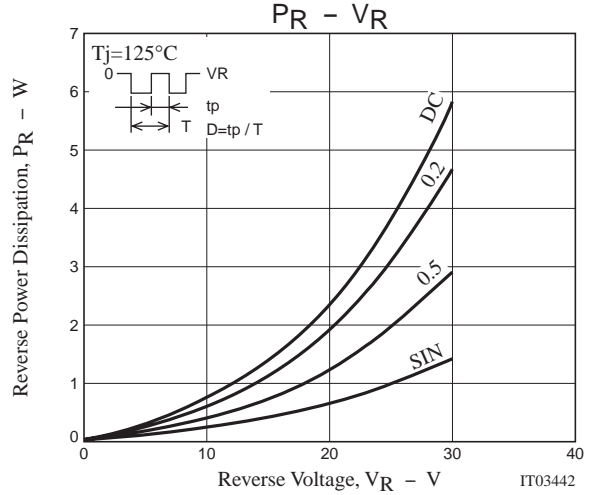
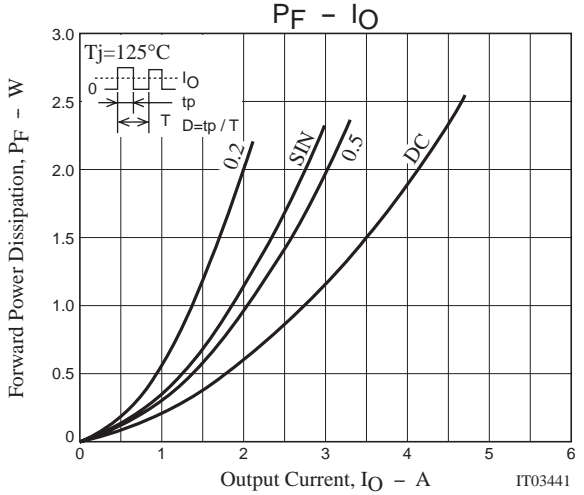
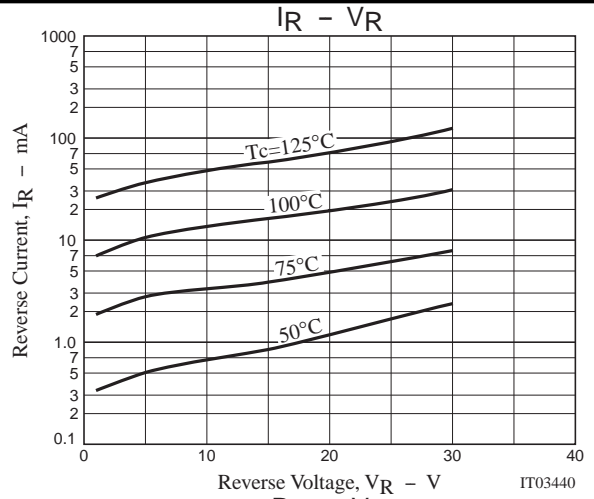
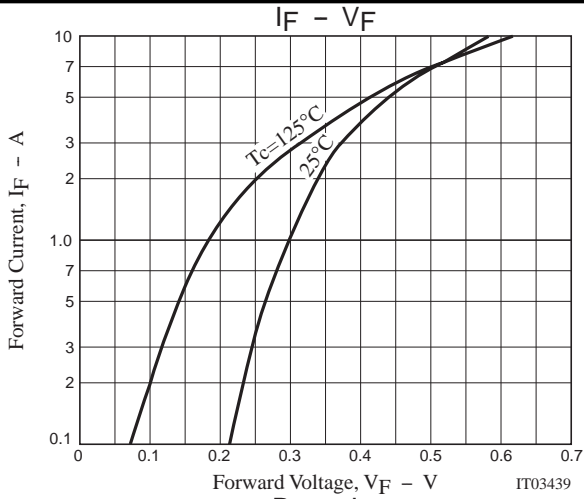
**Package Dimensions**unit : mm  
1300**Specifications****Absolute Maximum Ratings** at  $T_a=25^\circ C$ 

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	$V_{RM}$		30	V
Average Rectified Current	$I_O$	50Hz sine wave, $T_c=105^\circ C$ Load resistor	1.5	A
Surge Forward Current	$I_{FSM}$	50Hz sine wave non-repetitive, 1cycle peak value	30	A
Junction Temperature	$T_J$		125	$^\circ C$
Storage Temperature	$T_{stg}$		-55 to +125	$^\circ C$

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

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	$V_F$	$I_F=0.5A$			0.30	V
		$I_F=1.5A$			0.36	V
Reverse Current	$I_R$	$V_R=30V$			1	mA
Thermal Resistance	$\theta_{j-l}$	Junction-Lead			20	$^\circ C/W$
	$\theta_{j-a}$	Junction-Ambient, mounted on an alumina board.			80	$^\circ C/W$

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