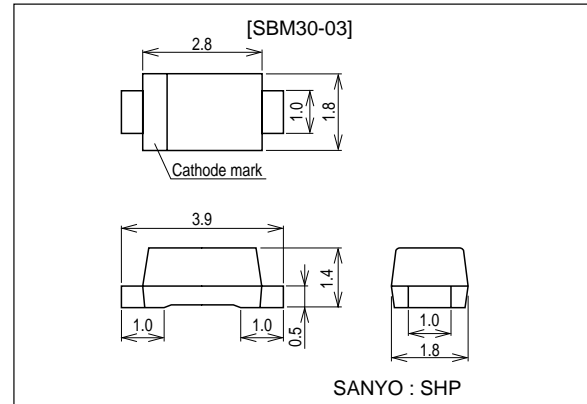


**SBM30-03****30V, 3A Rectifier****Features**

- Supports automatic mounting and permits SBM30-03 applied sets to be made smaller.
- Low forward voltage ($V_F \text{ max}=0.4\text{V}$).
- Average rectified current : $I_O=3\text{A}$.

Package Dimensionsunit : mm
1300**Specifications****Absolute Maximum Ratings** at $T_a=25^\circ\text{C}$

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V_{RM}		30	V
Average Rectified Current	I_O	50Hz sine wave, $T_a=25^\circ\text{C}$	2.1	A
		Load resistor, $T_c=100^\circ\text{C}$	3.0	A
Surge Forward Current	I_{FSM}	50Hz sine wave non-repetitive, 1cycle peak value	30	A
Junction Temperature	T_j		150	$^\circ\text{C}$
Storage Temperature	T_{stg}		-55 to +150	$^\circ\text{C}$

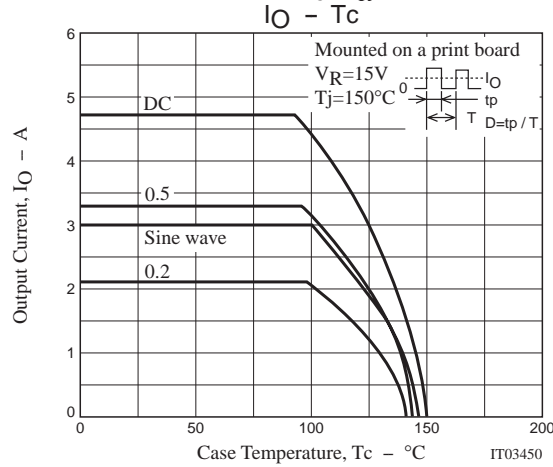
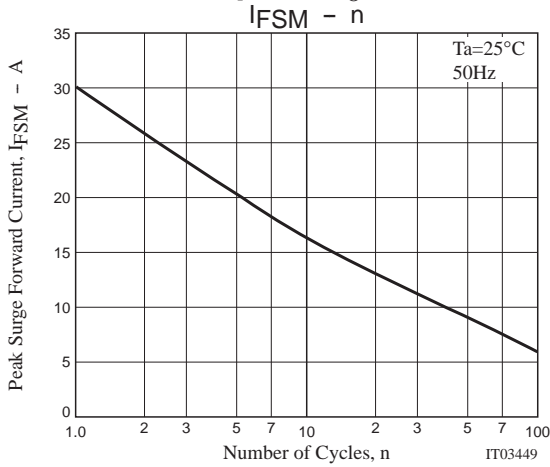
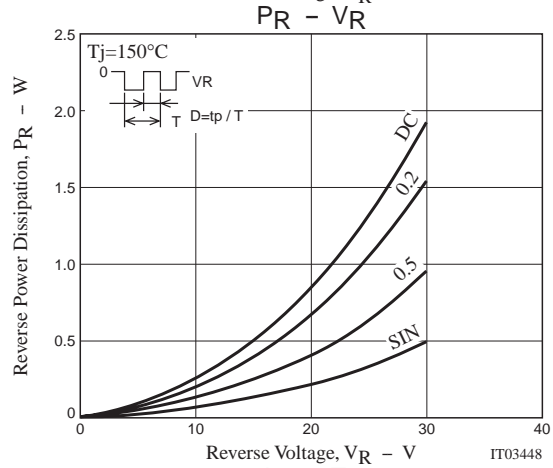
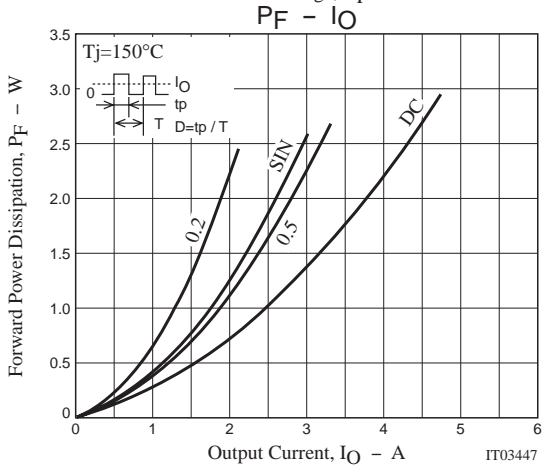
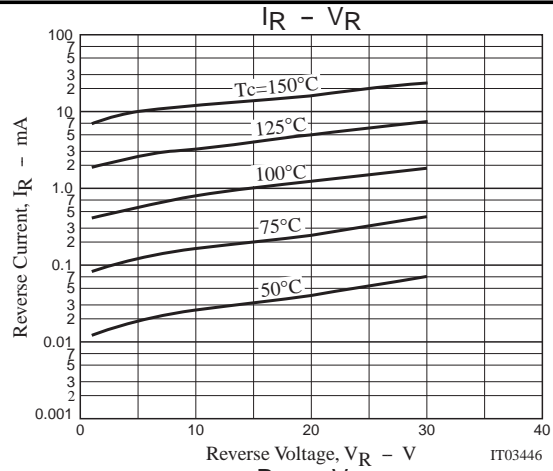
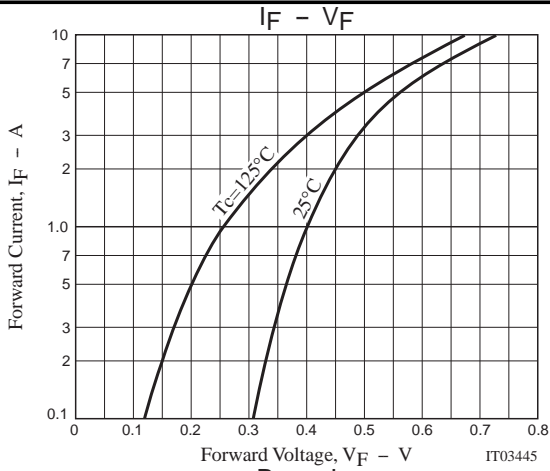
Electrical Characteristics at $T_a=25^\circ\text{C}$

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=0.5\text{A}$			0.4	V
		$I_F=1.5\text{A}$			0.46	V
Reverse Current	I_R	$V_R=30\text{V}$			0.05	mA
Thermal Resistance	θ_{j-l}	Junction-Lead			20	$^\circ\text{C/W}$
	θ_{j-a}	Junction-Ambient, mounted on an alumina board.			80	$^\circ\text{C/W}$

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■ SANYO assumes no responsibility for equipment failures that result from using products at values that exceed, even momentarily, rated values (such as maximum ratings, operating condition ranges, or other parameters) listed in products specifications of any and all SANYO products described or contained herein.

SBM30-03



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