

SANYO Semiconductors DATA SHEET

SBH15-03 Schottky Barrier Diode 30V, 1.5A Rectifier

Features

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

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	VRM		30	V
Average Rectified Current	lo	50Hz sine wave, Tc=105°C, Load resistor	1.5	Α
Surge Forward Current	I _{FSM}	50Hz sine wave non-repetitive, 1cycle peak value	30	А
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

Electrical Characteristics at Ta=25°C

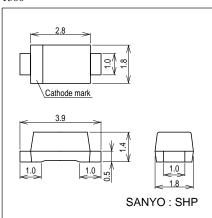
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	VF	IF=0.5A			0.30	V
		IF=1.5A			0.36	V
Reverse Current	IR	V _R =30V			1	mA
Thremal Resistance	θi-I	Junction-Lead			20	°C/W
	θi-a	Junction-Ambient, mounted on an			80	°C/W
		almina board.			J, VV	

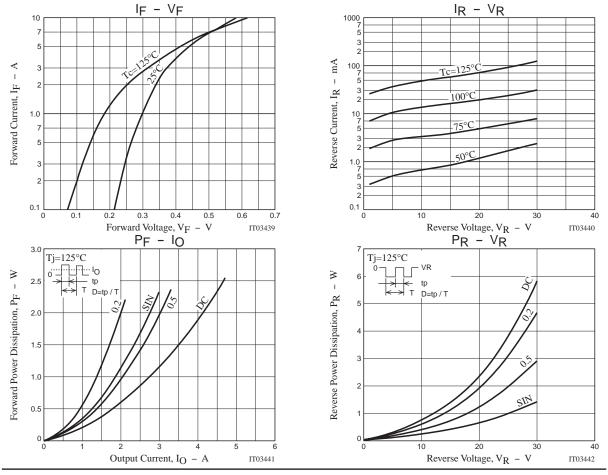
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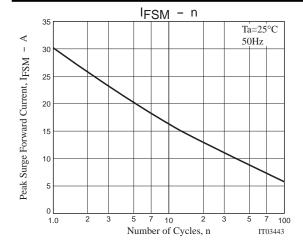
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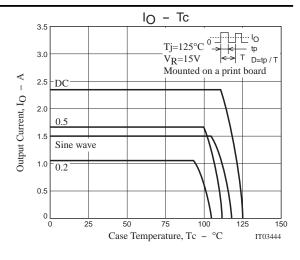
Package Dimensions

unit : mm 1300









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