

SANYO Semiconductors DATA SHEET

SBM30-03 — Schottky Barrier Diode 30V, 3A Rectifier

Features

- Supports automatic mounting and permits SBM30-03 applied sets to be made smaller.
- Low forward voltage (VF max=0.4V).
- Average rectified current : IO=3A.

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	VRM		30	V
Average Rectified Current	1-	50Hz sine wave, Ta=25°C	2.1	Α
	lo	Load resistor, Tc=100°C	3.0	Α
Surge Forward Current	1	50Hz sine wave	30	А
	IFSM	non-repetitive, 1cycle peak value	30	
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

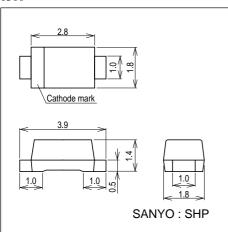
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Forward Voltage	VF	IF=0.5A			0.4	V
		IF=1.5A			0.46	V
Reverse Current	IR	V _R =30V			0.05	mA
Thremal Resistance	θi-l	Junction-Lead			20	°C/W
	θі-а	Junction-Ambient, mounted on an			80	°C/W
		almina board.				

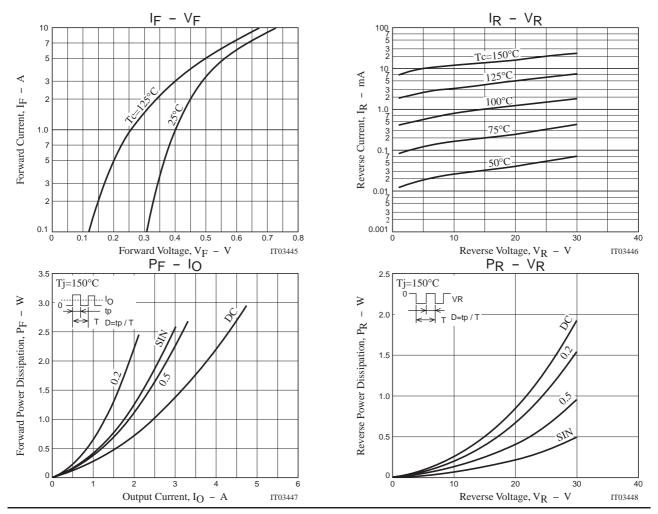
Marking : O

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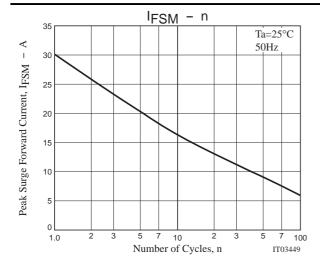
Package Dimensions

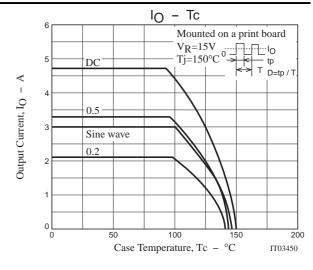
unit : mm 1300





SBM30-03





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