Ordering number : ENA0915

SANYO Semiconductors
DATA SHEET

SBH0204R — Schottky Barrier Diode
40V, 0.2A Rectifier

Features

- Supports automatic mounting and permits SBH0204R applied sets to be made smaller.
- Low forward voltage (V_F max=0.54V).
- Average output current : I_O=0.2A.

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V_{RM}		45	V
Reverse Voltage	V_R		40	V
Average Output Current	I_O		0.2	A
Surge Forward Current	I_{FSM}	60Hz sine wave, 1cycle	4	A
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		–40 to +125	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	I_F=0.01A			0.30	V
		I_F=0.1A			0.45	V
		I_F=0.2A			0.54	V
Reverse Current	I_R	V_R=10V			20	μA
		V_R=40V			90	μA

Marking : S

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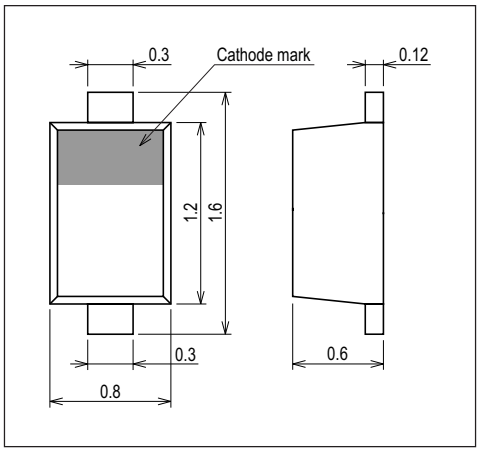
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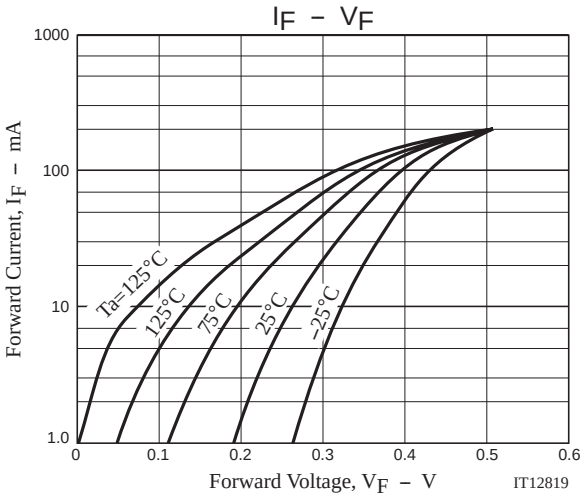
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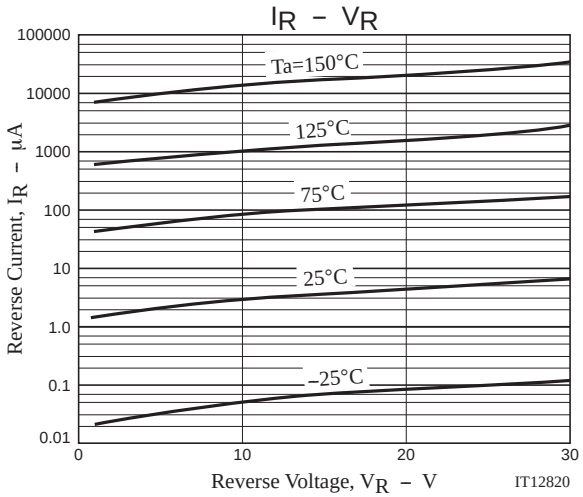
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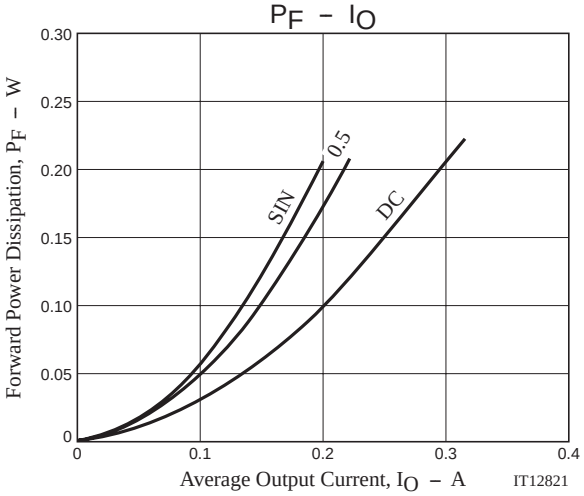
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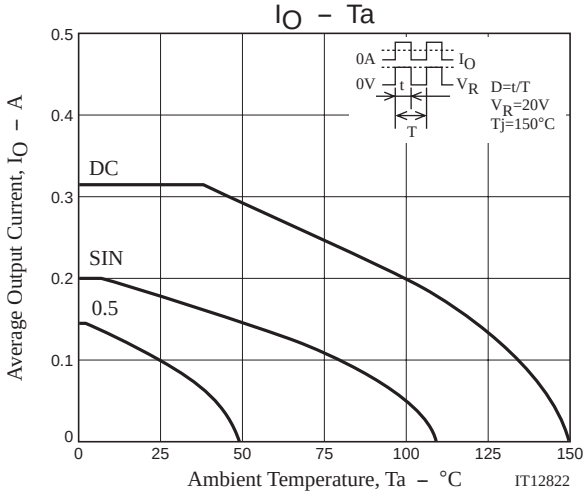
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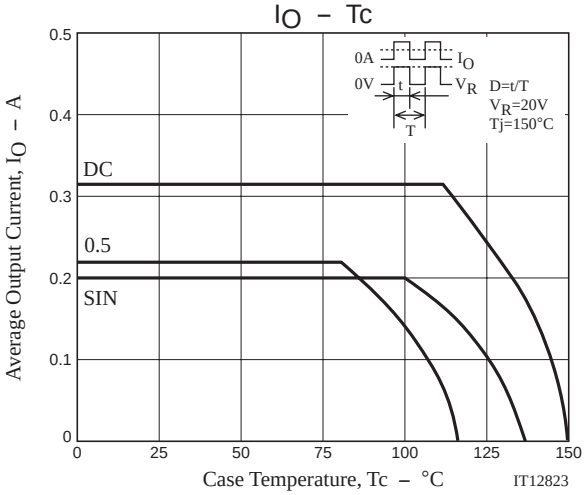




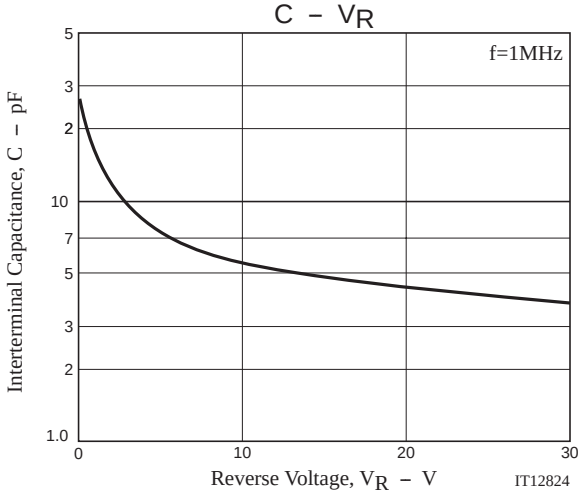




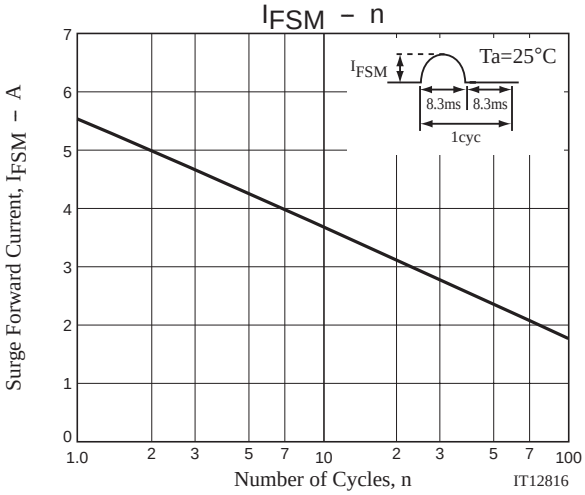
I_O – Tc



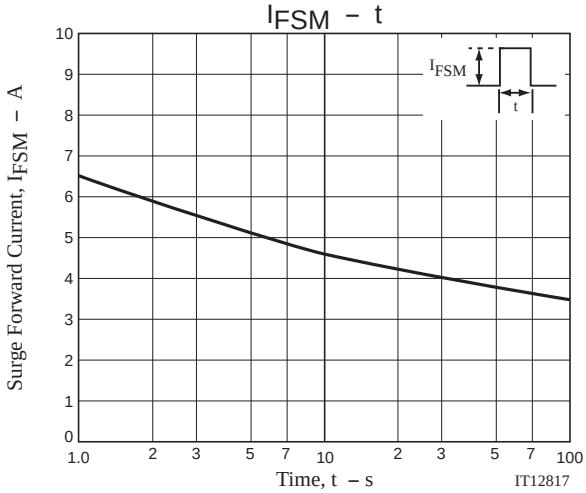
C – V_R



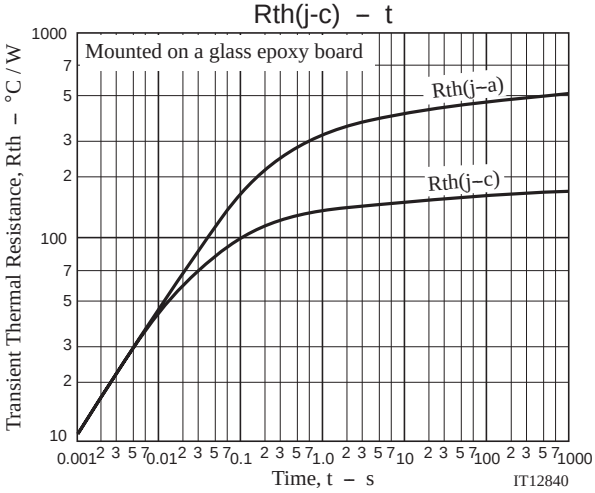
I_{FSM} – n



I_{FSM} – t



Rth(j-c) – t



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