

SANYO Semiconductors DATA SHEET

SBT250-06L — Schottky Barrier Diode (Twin Type · Cathode Common) 60V, 25A Rectifier

Applications

• High frequency rectification (switching regulators, converters, choppers).

Features

- Guaranteed up to Tj=150°C.
- Low forward voltage (VF max=0.60V).
- · Fast reverse recovery time.
- · Low switching noise.
- · High reliability due to highly reliable planar structure.

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	VRRM		60	V
Nonrepetitive Peak Reverse Surge Voltage	VRSM		66	V
Average Output Current	lo	50Hz resistive load, Sine wave Tc=114°C	25	Α
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	120	Α
Junction Temperature	Tj		-55 to +150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

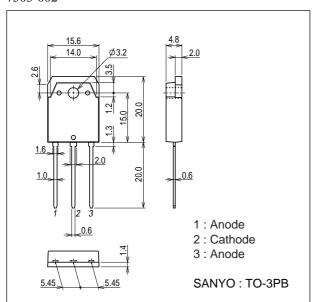
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Reverse Voltage	VR	IR=3mA, Tj=25°C*	60			V
Forward Voltage	VF	I _F =10A, Tj=25°C*			0.60	V
Reverse Current	IR	V _R =30V, Tj=25°C*			0.3	mA
Interterminal Capacitance	С	V _R =10V, Tj=25°C*		430		pF
Thermal Resistance	Rth(j-c)	Junction-Case : Smoothed DC			1.6	°C/W

Note) *: Value per element

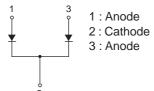
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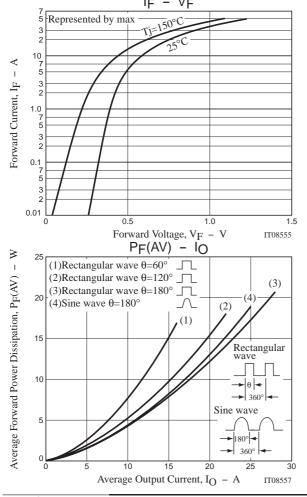
Package Dimensions

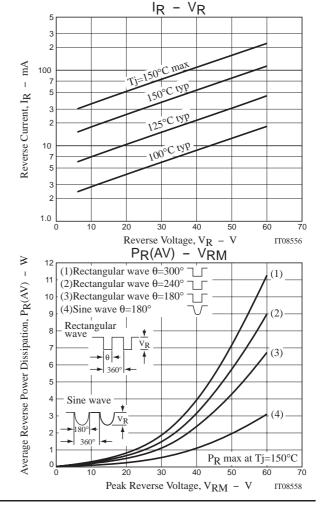
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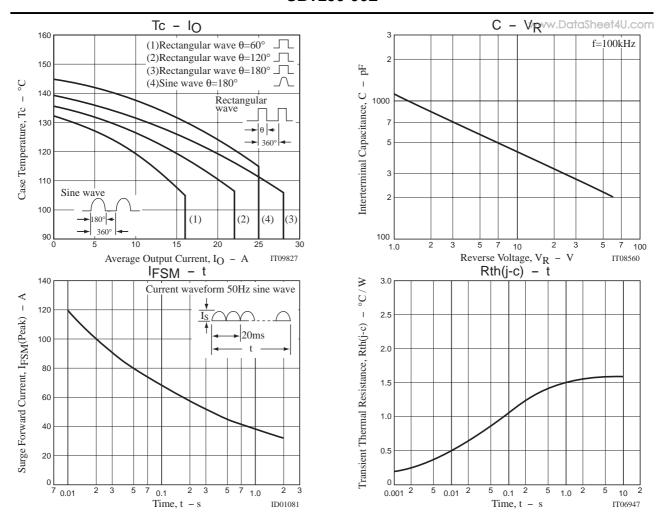
Electrical Connection www.DataSheet4U.com







SBT250-06L



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