

SANYO Semiconductors DATA SHEET

An ON Semiconductor Company

SBT350-06J — Schottky Barrier Diode (Twin Type · Cathode Common) 60V, 35A Rectifier

Applications

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

Features

- 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.
- · Micaless package facilitating easy mounting.

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=51°C	35	Α
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	140	Α
Junction Temperature	Tj		-55 to +150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

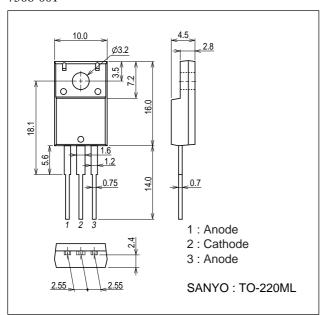
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Reverse Voltage	VR	I _R =5mA, Tj=25°C*	60			V
Forward Voltage	VF	I _F =15A, Tj=25°C*			0.60	V
Reverse Current	IR	V _R =30V, Tj=25°C*			0.5	mA
Interterminal Capacitance	С	V _R =10V, Tj=25°C*		710		pF
Thermal Resistance	Rth(j-c)	Junction-Case : Smoothed DC			3.0	°C / W

Note) * : Value per element

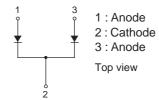
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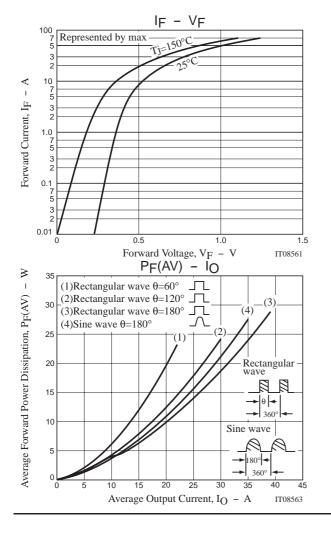
Package Dimensions

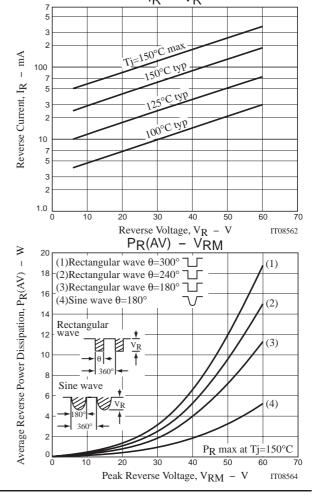
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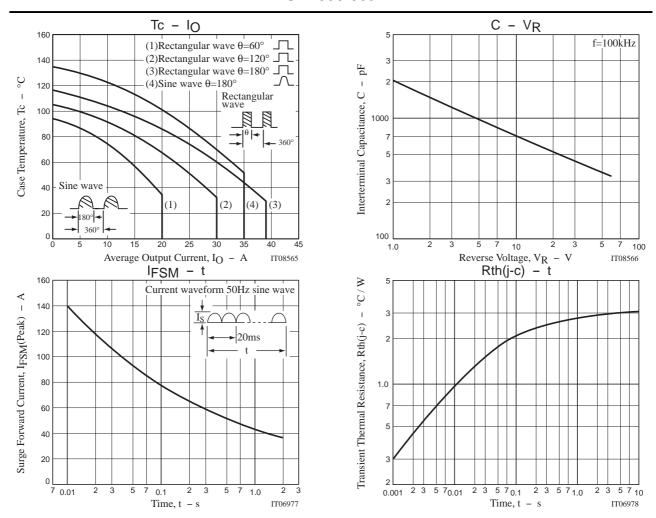
Electrical Connection







SBT350-06J



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