

SBT350-06L — Schottky Barrier Diode (Twin Type · Cathode Common) 60V, 35A 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=111°C	35	А
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	200	А
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	
Reverse Voltage	VR	IR=5mA, Tj=25°C*	60			V
Forward Voltage	٧F	IF=15A, Tj=25°C*			0.60	V
Reverse Current	IR	V <sub>R</sub> =30V, Tj=25°C*			0.5	mA
Interterminal Capacitance	С	VR=10V, Tj=25°C*		710		pF
Thermal Resistance	Rth(j-c)	Junction-Case : Smoothed DC			1.2	°C / W

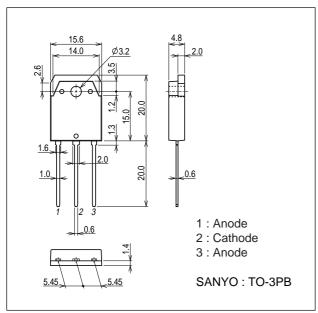
Note) \* : Value per element

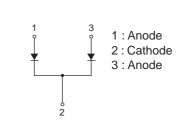
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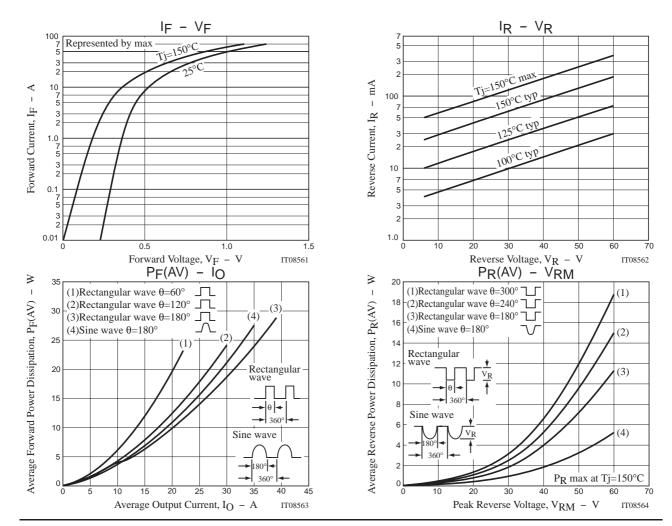
#### **Package Dimensions**

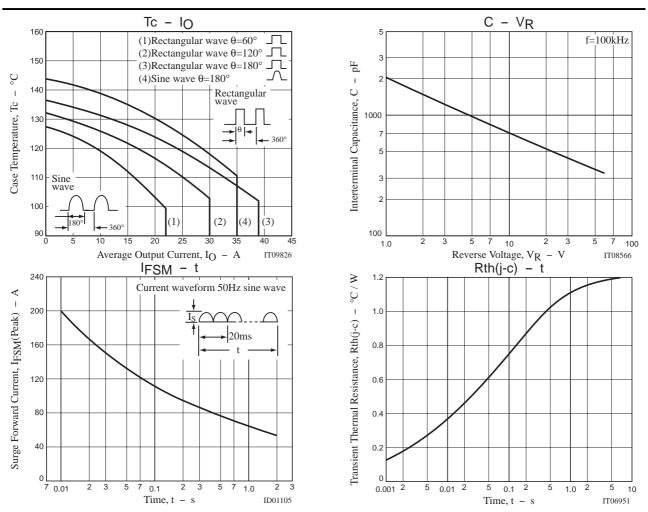
unit : mm 7503-002





**Electrical Connection** 





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