

SANYO Semiconductors DATA SHEET

SBT250-06JS-

Schottky Barrier Diode (Twin Type · Cathode Common) 60V, 25A Rectifier

Applications

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

Features

- Tj=150°C.
- Low forward voltage (VF max=0.60V).
- Short reverse recovery time.
- · Low switching noise.
- High reliability due to highly reliable planar structure.
- Attachment workability is good by Mica-less package.

Specifications

Absolute Maximum Ratings at Ta=25°C

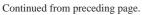
Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	VRRM		60	V
Nonrepetitive Peak Reverse Surge Voltage	VRSM		66	V
Average Output Current	IO	50Hz resistive load, Sine wave Tc=73°C	25	А
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	120	A
Junction Temperature	Tj		-55 to +150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
	Symbol		min	typ	max	Unit
Reverse Voltage	VR	I _R =3mA, Tj=25°C*	60			V
Forward Voltage	VF	IF=10A, Tj=25°C*			0.60	V
Reverse Current	IR	V _R =30V, Tj=25°C*			0.3	mA
Note) * : Value per element				C	ontinued or	next page

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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Interterminal Capacitance	С	V _R =10V, Tj=25°C*		430		pF
Thermal Resistance	Rth(j-c)	Junction-Case : Smoothed DC			3.5	°C/W

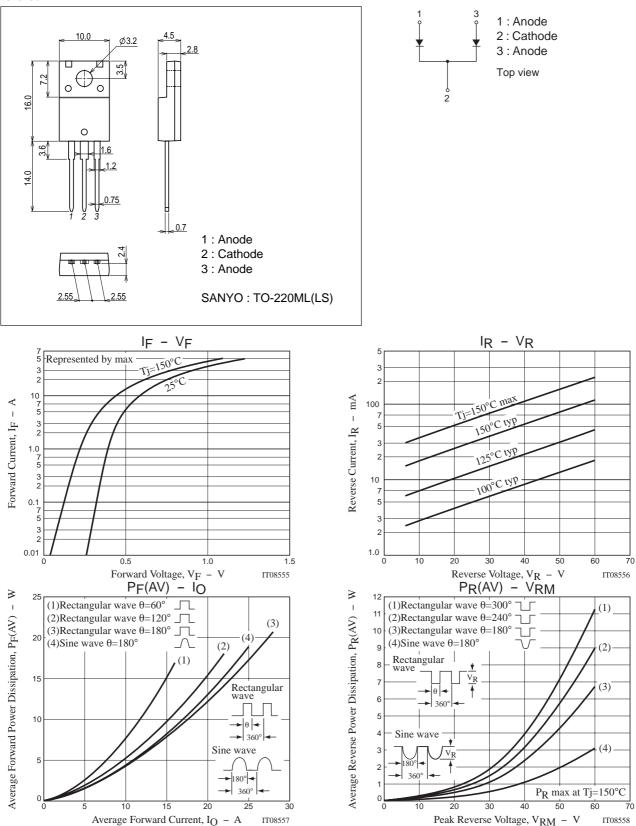
Electrical Connection

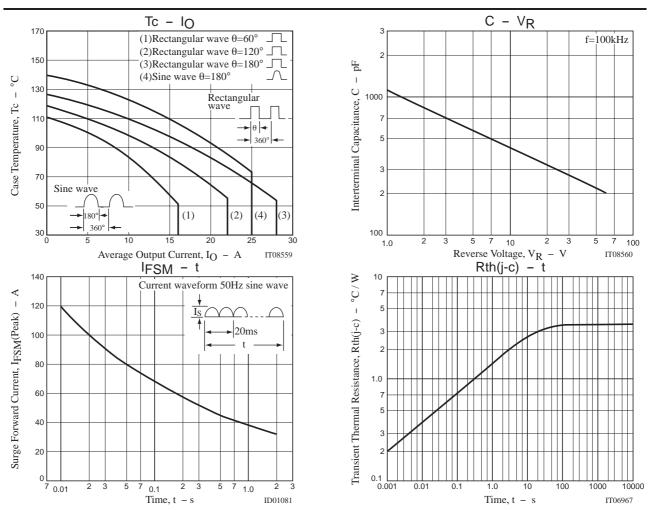
Note) * : Value per element

Package Dimensions

unit : mm (typ)

7525-001





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