

SANYO Semiconductors DATA SHEET

SBT250-04JS —

Schottky Barrier Diode (Twin Type • Cathode Common) 40V, 25A Rectifier

Applications

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

Features

- Guaranteed up to $Tj=150^{\circ}C$.
- Low forward voltage (VF max=0.55V).
- 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		40	V
Nonrepetitive Peak Reverse Surge Voltage	V _{RSM}		44	V
Average Output Current	IO	50Hz resistive load, sine wave Tc=86°C	25	А
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	100	А
Junction Temperature	Tj		-55 to +150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

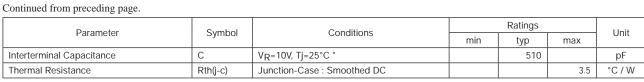
Parameter	Symbol	Conditions	Ratings			Unit
	Symbol		min	typ	max	
Reverse Voltage	V _R	I _R =3mA, Tj=25°C *	40			V
Forward Voltage	VF	IF=10A, Tj=25°C *			0.55	V
Reverse Current	IR	V _R =20V, Tj=25°C *			0.3	mA
Note) * : Volue nor element						

Note) * : Value per element

Continued on next page.

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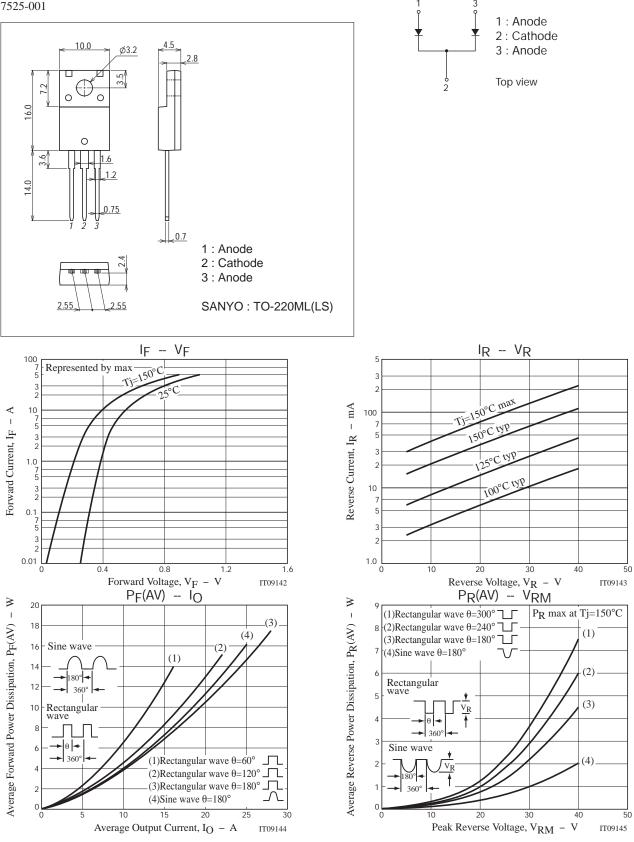


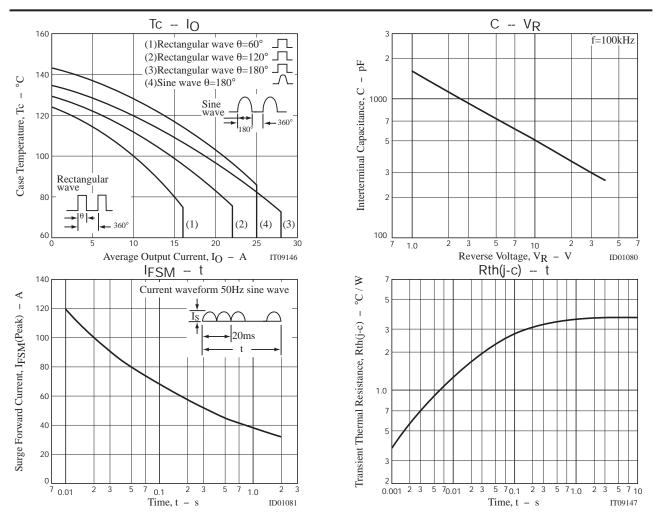
Electrical Connection

Note) * : Value per element

Package Dimensions

unit : mm (typ) 7525-001





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