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ON Semiconductor SBT80-10J

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## Distributor of ON Semiconductor: Excellent Integrated System Limited

Datasheet of SBT80-10J - DIODE ARRAY SCHOTTKY 100V TO220

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Ordering number : ENN7790



# SANYO Semiconductors DATA SHEET

SBT80-10J — Schottky Barrier Diode (Twin Type · Cathode Common) 100V, 8A Rectifier

#### **Applications**

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

#### **Features**

- Tj=150°C.
- Low forward voltage (VF max=0.80V).
- · Short reverse recovery time.
- · Low switching noise.
- · High reliability due to highly reliable planar structure.
- · Micaless package facilitating mounting.

#### **Specifications**

#### Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	VRRM		100	V
Nonrepetitive Peak Reverse Surge Voltage	VRSM		105	V
Average Output Current	lO	50Hz resistive load, Sine wave Tc=81°C	8	А
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	60	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		
	Symbol		min	typ	max	Unit
Reverse Voltage	VR	I <sub>R</sub> =1mA, Tj=25°C*	100			V
Forward Voltage	VF	I <sub>F</sub> =3.0A, Tj=25°C*			0.80	V
Reverse Current	IR	V <sub>R</sub> =50V, Tj=25°C*			0.1	mA
Interterminal Capacitance	С	V <sub>R</sub> =10V, Tj=25°C*		90		pF
Thermal Resistance	Rth(j-c)	Junction-Case : Smoothed DC			5.0	°C / W

Note) \* : Value per element

- Any and all SANYO products described or contained herein do not have specifications that can handle applications that require extremely high levels of reliability, such as life-support systems, aircraft's control systems, or other applications whose failure can be reasonably expected to result in serious physical and/or material damage. Consult with your SANYO representative nearest you before using any SANYO products described or contained herein in such applications.
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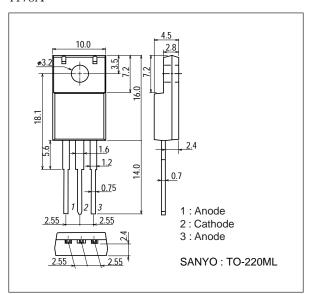
Datasheet of SBT80-10J - DIODE ARRAY SCHOTTKY 100V TO220

#### **SBT80-10J**

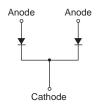
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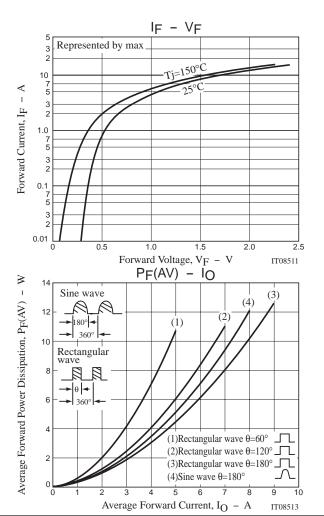
#### **Package Dimensions**

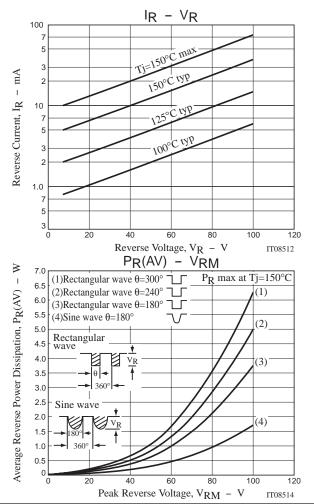
unit : mm 1178A



#### **Electrical Connection**





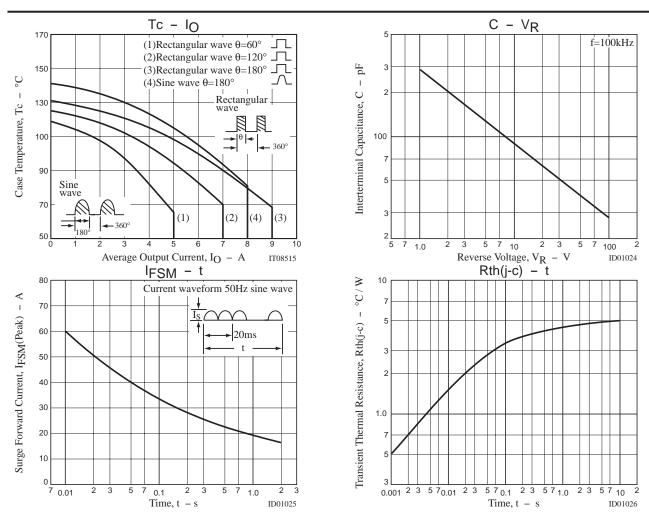


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#### **SBT80-10J**



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