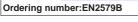
## 查询SB50-18供应商



## **SB50-18**

Schottky Barrier Diode (Twin Type - Cathode Common)

# 180V, 5A Rectifier

### **Applications**

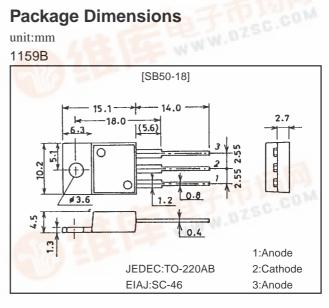
· High frequency rectification (switching regulators, converters, choppers).

#### Features

- · Low forward voltage ( $V_F$  max=0.85V).
- · Fast reverse recovery time (trr max=40ns).
- · Low switching noise.
- · Low leakage current and high reliability due to highly reliable planar structure.

## Package Dimensions

unit:mm



## **Specifications**

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

Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	VRRM		180	V
Nonrepetitive Peak Reverse Surge Voltage	VRSM		190	V
Average Output Current	IO	50Hz, resistive load, Tc=103°C	5	А
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	60	Α
Junction Temperature	Tj		-55 to +125	°C
Storage Temperature	Tstg		-55 to +125	°C

#### **Electrical Characteristics**

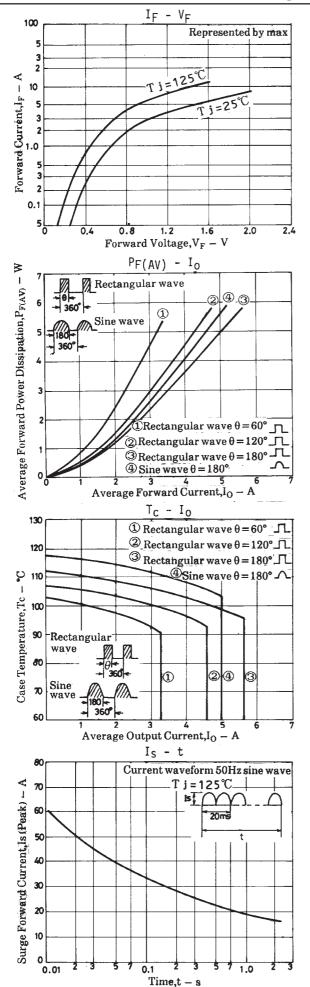
Parameter	Symbol	Conditons	Ratings			Unit
			min	typ	max	Unit
Reverse Voltage	VR	I <sub>R</sub> =2mA, Tj=25°C, *	180			V
Forward Voltage	٧ <sub>F</sub>	I <sub>F</sub> =2A, Tj=25°C, *			0.85	V
Reverse Current	IR	V <sub>R</sub> =90V, Tj=25°C, *		-	0.4	mA
Reverse Recovery Time	trr	I <sub>F</sub> =2A, Tj=25°C, *, -dI <sub>F</sub> /dt=10A/μs	Arra Co	5	40	ns
Thermal Resistance	Rthj-c	Junction-Case:Smoothed DC			2.5	°C/W

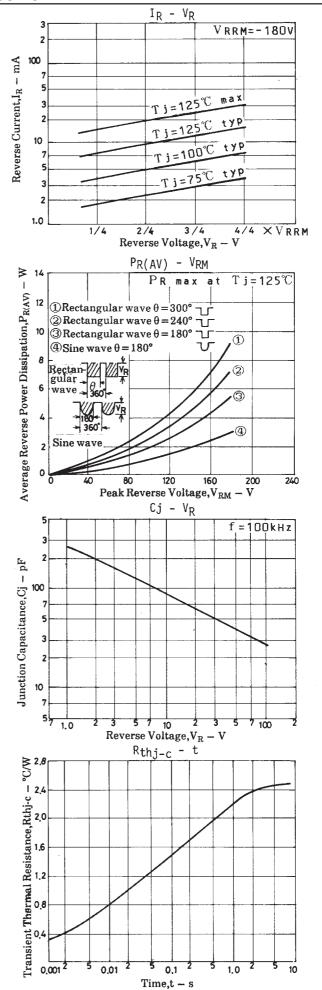
Note\*:Value per element

#### **Electrical Connection**



3:Anode





SB50-18

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