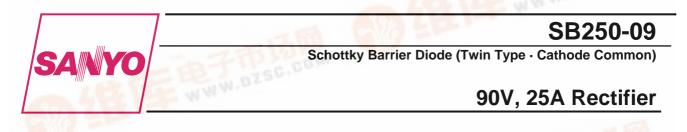
#### 查询SB250-09供应商

### Ordering number :EN2690



# Applications

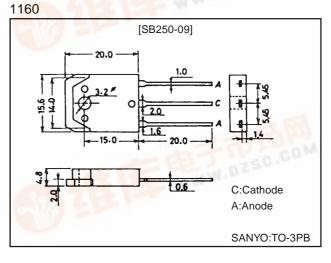
• High frequency rectification (switching regulators, converters, choppers).

### **Features**

- · Low forward voltage ( $V_F$  max=0.85V).
- Fast reverse recovery time (trr max=60ns).
- · Low switching noise.
- Low leakage current and high reliability due to highly reliable planar structure.

## Package Dimensions

unit:mm



### **Specifications**

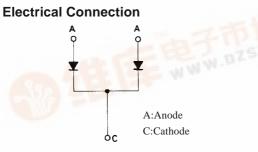
### Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	VRRM		-90	V
Nonrepetitive Peak Reverse Surge Voltage	VRSM		-95	V
Average Output Current	lo	50Hz, resistive load, Tc=89°C	25	А
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	160	А
Junction Temperature	Tj		-55 to +125	°C
Storage Temperature	Tstg		-55 to +125	°C

### **Electrical Characteristics**

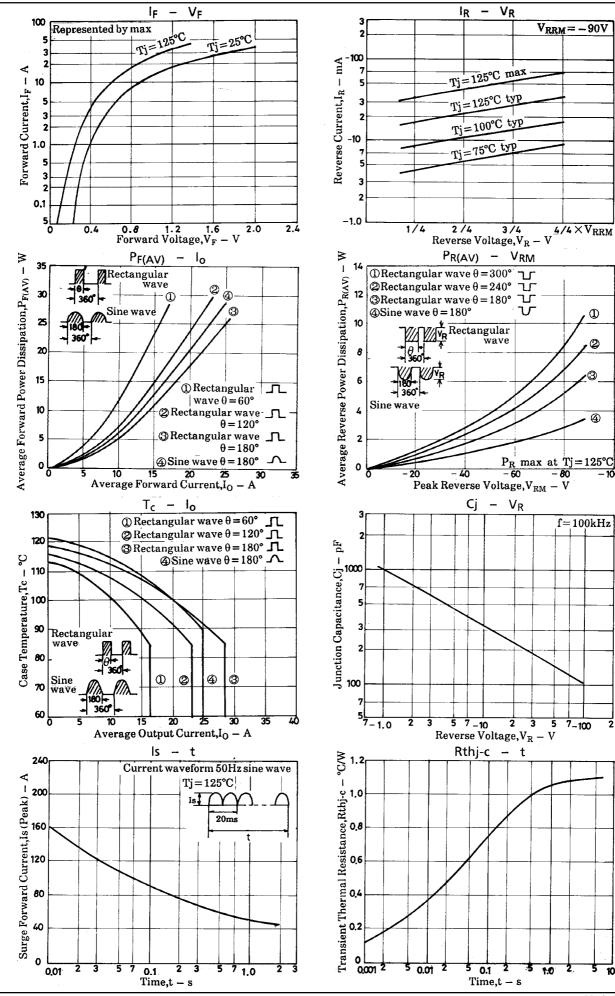
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Reverse Voltage	VR	I <sub>R</sub> =–5mA, Tj=25°C*	-90			V
Forward Voltage	VF	I <sub>F</sub> =10A, Tj=25°C*			0.85	V
Reverse Current	IR	V <sub>R</sub> =-45V, Tj=25°C*		1 5	-1.0	mA
Reverse Recovery Time	trr	I <sub>F</sub> =2A, Tj=25°C*, -dI <sub>F</sub> /dt=10A/µs	-ta-		60	ns
Thermal Resistance	Rthj-c	Junction-Case:Smoothed DC	10	10.1	1.1	°C/W

### Note)\*:Value per element



SB250-09

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