捷多邦,专业PCB打样工厂,24小时加急出货

查询SB10-09供应商 Ordering number:EN4175A

SB10-09P

Schottky Barrier Diode

90V, 1A Rectifier

Applications

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

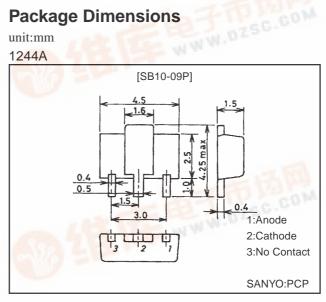
WW.DZSC.COM

Features

- · Low forward voltage (V_F max=0.7V).
- · Fast reverse recovery time (trr max=20ns).
- · 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

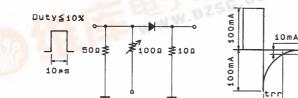
| Parameter | Symbol | Conditions | Ratings | Unit |
|--|------------------|-------------------------|-------------|------|
| Repetitive Peak Reverse Voltage | V _{RRM} | | 90 | V |
| Nonrepetitive Peak Reverse Surge Voltage | VRSM | | | V |
| Average Output Current | I0 | and the later later | 0731 | А |
| Surge Forward Current | IFSM | 50Hz sine wave, 1 cycle | 5 | А |
| Junction Temperature | Tj | | -55 to +125 | °C |
| Storage Temperature | Tstg | | -55 to +125 | °C |

Electrical Characteristics at Ta = 25°C

| Parameter | Symbol | Conditons | Ratings | | | Unit |
|---------------------------|----------------|--|---------|------|-----|------|
| | | | min | typ | max | Unit |
| Reverse Voltage | VR | I _R =1mA | 90 | | | V |
| Forward Voltage | VF | I _F =1A | | | 0.7 | V |
| Reverse Current | I _R | V _R =45V | | 15 | 200 | μA |
| Interterminal Capacitance | С | V _R =10V, f=1MHz | 101 | 70 | | pF |
| Reverse Recovery Time | trr | I _F =I _R =100mA, See specifaied Test Circuit | | 4 07 | 20 | ns |
| Thermal Resistance | Rthj-a (1) | | 19.44 | 280 | | °C/W |
| | Rthj-a (2) | Mounted on 250mm ² ×0.8mm ceramic board | | 100 | | °C/W |
| | Rinj-a (2) | Woulled on 250mm-x0.8mm ceramic board | | 100 | | |

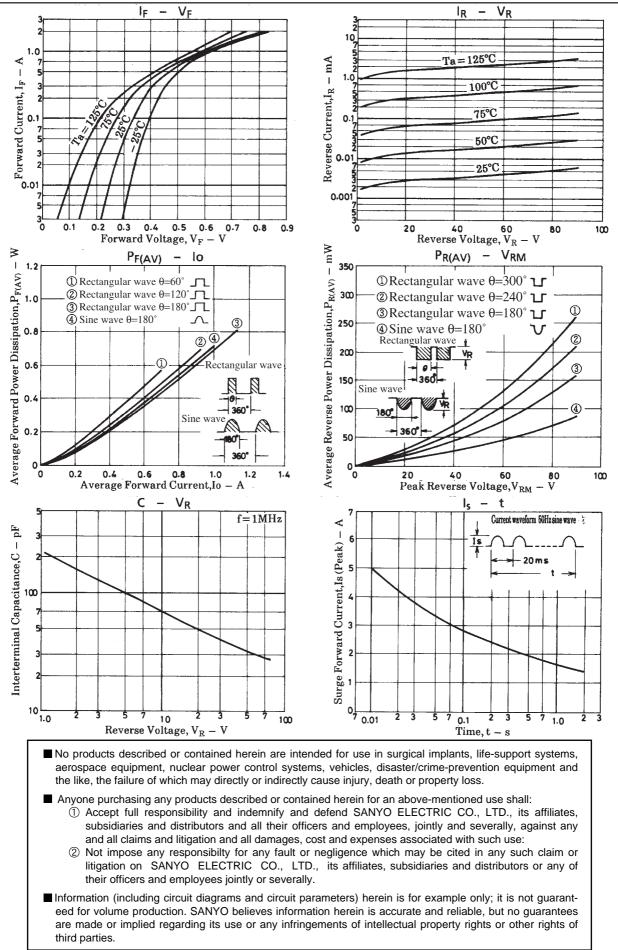
Marking:SJ

trr Test Circuit



YO Electric Co., Ltd. Semiconductor Bussiness Headquaters KYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN

SB10-09P



This catalog provides information as of April, 1998. Specifications and information herein are subject to change without notice.