

SB10-04A3

Schottky Barrier Diode

40V, 1.0A Rectifier

Applications

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

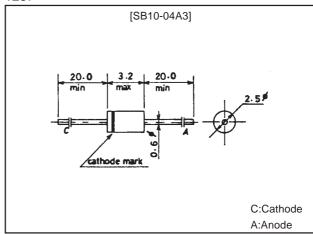
Features

- \cdot Meets the requirements for automatic mounter.
- · Low forward voltage (V_F max=0.55V).
- · Small capacitance (C typ=45pF).
- · Average rectified current (I_O=1.0A).

Package Dimensions

unit:mm

1237



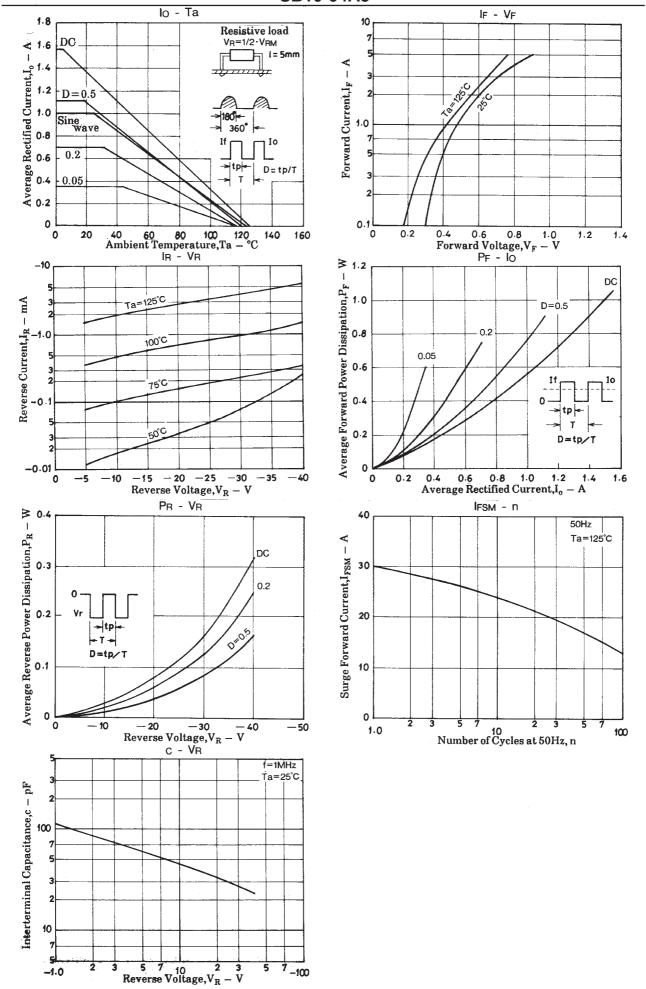
Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	V _{RRM}		40	V
Nonrepetitive Peak Reverse Surge Voltage	VRSM		45	V
Average Output Current	lo	50Hz, resistive load, sine wave, Ta=25°C L=5mm, 3mmø print land	1.0	А
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	30	Α
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Oilit
Forward Voltage	٧F	I _F =1.0A			0.55	V
Reverse Current	I _R	V _R =40V			0.8	mA
Interterminal Capacitance	С	V _R =10V, f=1MHz		45		pF
Thermal Resistance (junction-Ambient)	Rth(j-a)	Mounted on PCB			113	°C/W



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