

SB20-04A

40V, 2.0A Rectifier

Applications

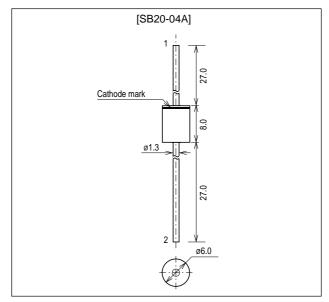
• High frequency rectification (switching regulators, converters, choppers).

Features

- Low forward voltage (VF max=0.55V).
- · Fast reverse recovery time.
- Average rectified current (IO=2.0A).

Package Dimensions

unit : mm 1176



Specifications

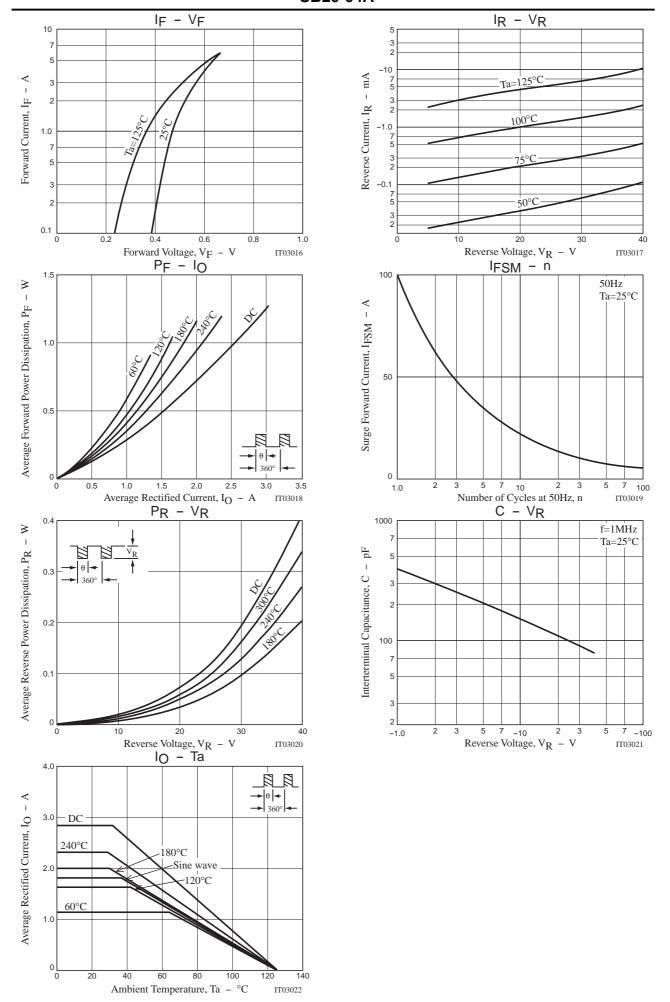
Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	VRRM		-40	V
Average Rectified Current	Io		2.0	Α
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	100	Α
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-40 to +125	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Forward Voltage	٧F	I _F =2.0A			0.55	V
Reverse Current	IR	V _R =-40V			-0.5	mA
Interterminal Capacitance	С	V _R =10V, f=1MHz		125		pF
Thermal Resistance (Junction-Ambient)	Rth(j-a)	Printed circuit board			100	°C / W

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