



30V, 100mA Rectifier

Applications

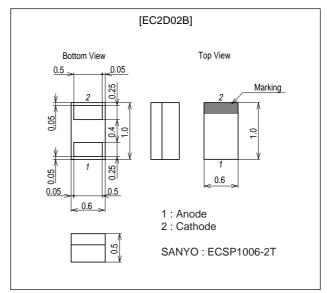
• High frequency rectification (switching regulators, converters and choppers).

Features

- · Low Switching noise.
- Low forward voltage (IF=50mA, VF max=0.4V) (IF=100mA, VF max=0.48V).
- Ultrasmall-size package (1006), thin (0.5mm) leadless package.

Package Dimensions

unit : mm 1325



Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	VRRM		30	V
Nonrepetitive Peak Reverse Surge Voltage	VRSM		35	V
Average Output Current	lO		100	mA
Surge Forward Current	IFSM	50Hz sine wave, 1 cycle	2	Α
Junction Temperature	Tj		-55 to +125	°C
Storage Temperature	Tstg		-55 to +125	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
	Symbol		min	typ	max	Offic
Reverse Voltage	VR	I _R =200μA	30			V
Forward Voltage	VF1	IF=50mA			0.4	V
	V _F 2	IF=100mA			0.48	V
Reverse Current	IR	V _R =15V			100	μΑ
Interterminal Capacitance	С	V _R =10V, f=1MHz		3		pF
Reverse Recovery Time	t _{rr}	I _F =I _R =10mA, See specified Test Circuit.			10	ns

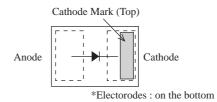
Marking: DC

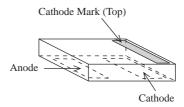
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Type No. Indication(Top view)

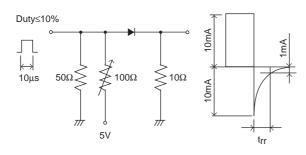


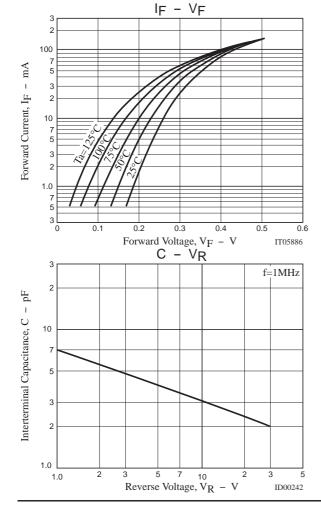
Electrical Connection(Top view)

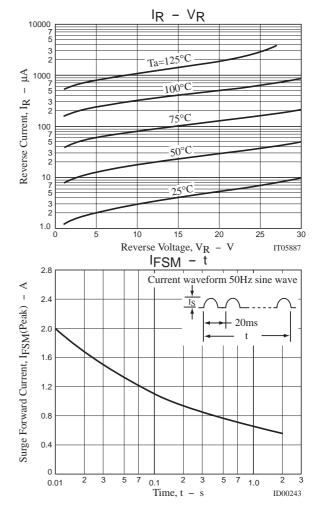




trr Test Circuit







EC2D02B

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