



EC2D01B

30V, 70mA Rectifier

Applications

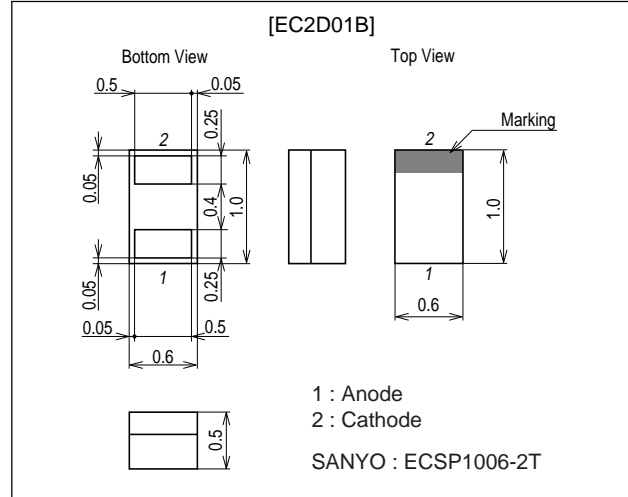
- High frequency rectification (switching regulators, converters and choppers).

Features

- Low switching noise.
- Low leakage current and high reliability due to highly reliable planar structure.
- Ultraminiature (1006 size) and 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	V _{RRM}		30	V
Nonrepetitive Peak Reverse Surge Voltage	V _{RSM}		35	V
Average Output Current	I _O		70	mA
Surge Forward Current	I _{FSM}	50Hz sine wave, 1 cycle	2	A
Junction Temperature	T _j		-55 to +125	°C
Storage Temperature	T _{stg}		-55 to +125	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	V _R	I _R =20μA	30			V
Forward Voltage	V _F	I _F =70mA			0.65	V
Reverse Current	I _R	V _R =15V			5	μA
Interterminal Capacitance	C	V _R =10V, f=1MHz		3		pF
Reverse Recovery Time	t _{rr}	I _F =I _R =10mA, See specified Test Circuit.			10	ns

Marking : DA

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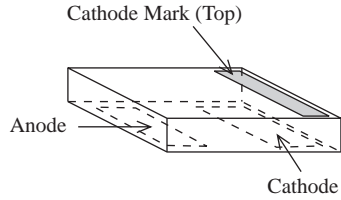
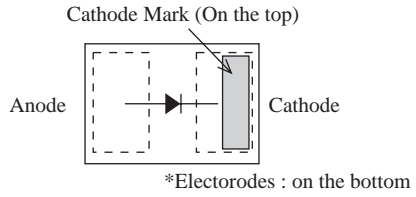
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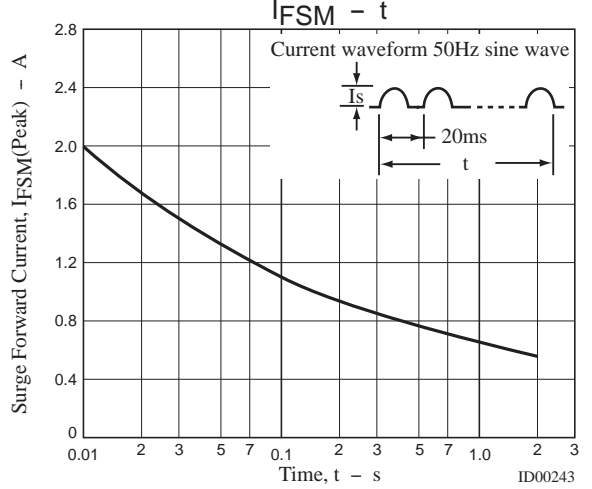
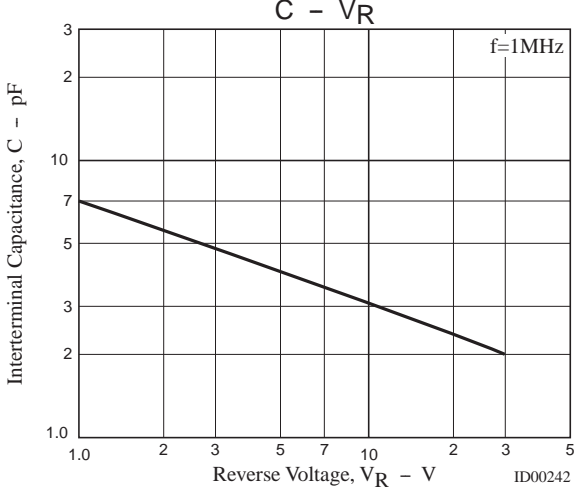
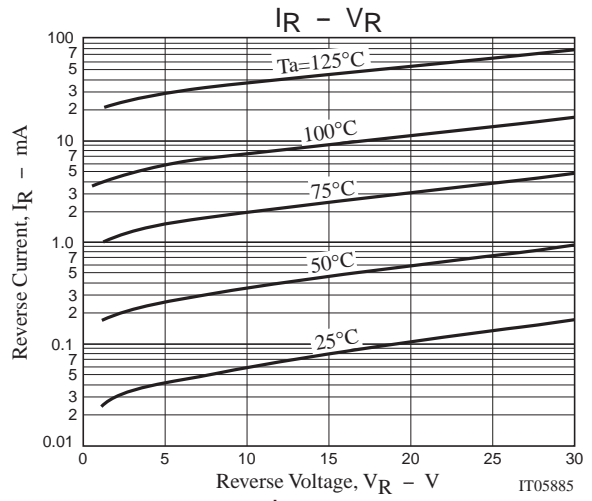
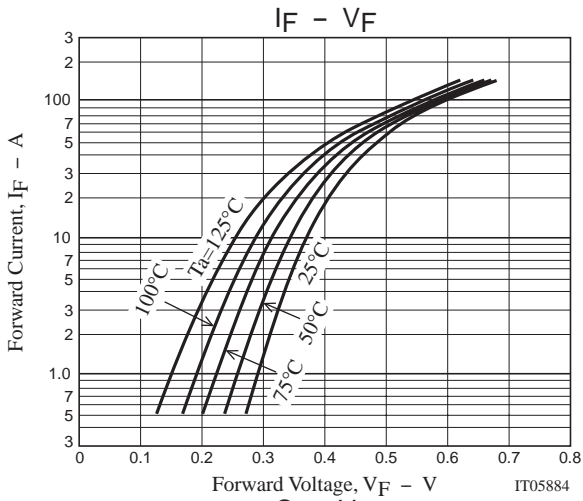
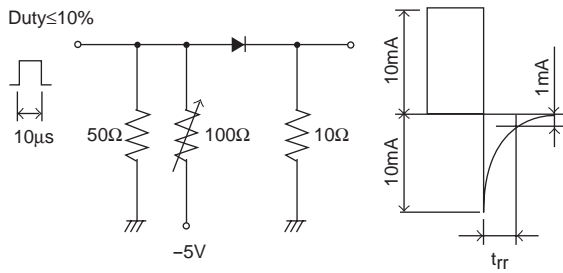
Type No. Indication (Top view)



Electrical Connection (Top view)



trr Test Circuit



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