

**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.

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

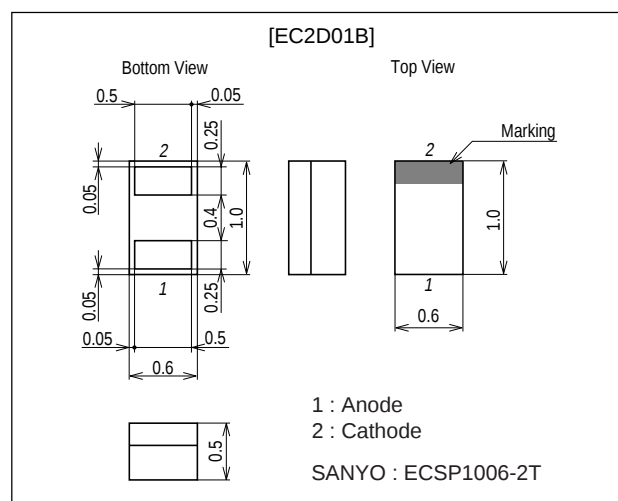
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Reverse Voltage	V_R	$I_R=20\mu A$	30			V
Forward Voltage	V_F	$I_F=70mA$			0.65	V
Reverse Current	I_R	$V_R=15V$			5	μA
Interterminal Capacitance	C	$V_R=10V, f=1MHz$		3		pF
Reverse Recovery Time	t_{rr}	$I_F=I_R=10mA$, See specified Test Circuit.			10	ns

Marking : DA

Package Dimensions

unit : mm

1325



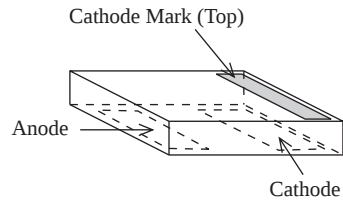
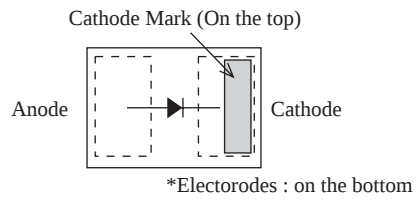
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EC2D01B

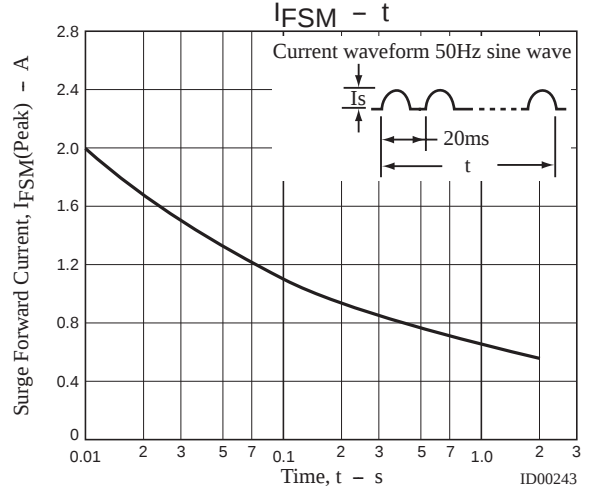
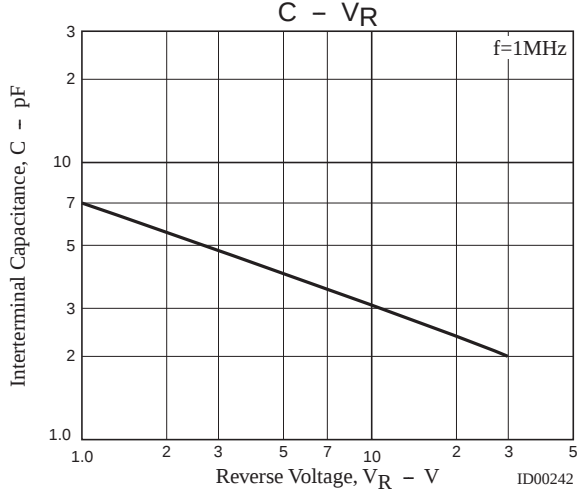
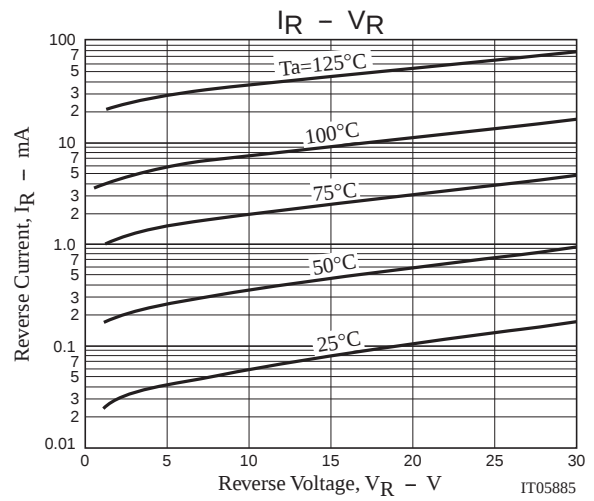
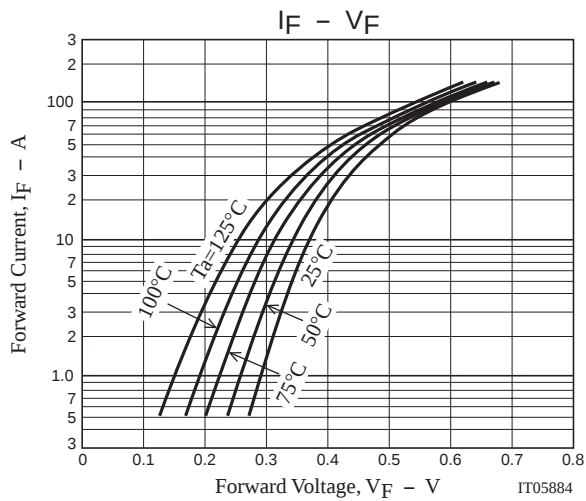
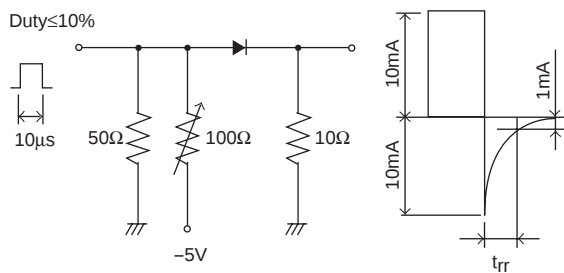
Type No. Indication(Top view)



Electrical Connection(Top view)



trr Test Circuit



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