



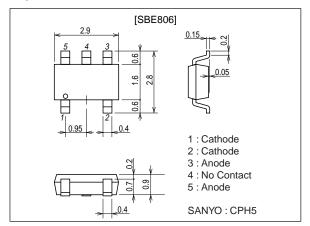
50V, 100mA Rectifier

Features

- Low forward voltage (VF max=0.55V).
- Fast reverse recovery time (t_{rr} max=10ns).
- Composite type with 2 diodes contained in the CPH package currently in use, improving the mounting efficiency greatly.
- The chips incorporated are both equivalent to the SB01-05CP.

Package Dimensions

unit : mm 1294



Specifications

Absolute Maximum Ratings at Ta=25°C (Value per element)

Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	VRRM		50	V
Non-repetitive Peak Reverse Surge Voltage	VRSM		55	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 (Value per element)

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Onit
Reverse Voltage	VR	IR=50μA	50			V
Forward Voltage	٧F	I _F =100mA			0.55	V
Reverse Current	IR	V _R =25V			15	μΑ
Interterminal Capacitance	С	V _R =10V, f=1MHz		4.4		pF
Reverse Recovery Time	t _{rr}	IF=IR=10mA, see specified Test Circuit.			10	ns
Thermal Resistance	Rth(j-a)			300		°C/W

Marking: SF

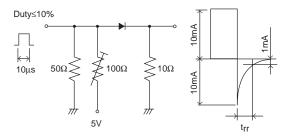
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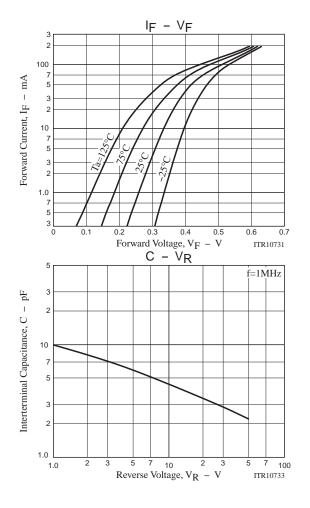
SANYO Electric Co.,Ltd. Semiconductor Company
TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN

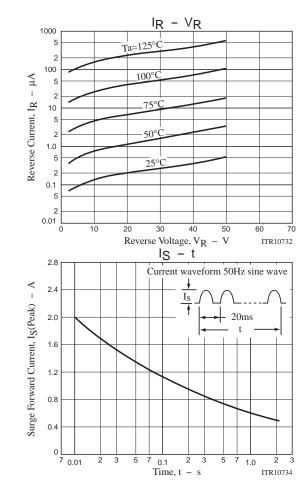
Electrical Connection

5 4 3 1 : Cathode 2 : Cathode 3 : Anode 4 : No Contact 5 : Anode

trr Test Circuit







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