

SANYO	No.3401A	FC806
		Silicon Schottky Barrier Diode
		50V, 100mA Rectifier

Features

- Low forward voltage ($V_F \text{ max} = 0.55\text{V}$).
- Fast reverse recovery time ($t_{rr} \text{ max} = 10\text{ns}$).
- Composite type with 2 diodes contained in the CP package currently in use, saving the mounting space greatly.
- The FC806 is formed with two chips, each being equivalent to the SB01-05CP, placed in one package.

Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$ (Value per element)

			unit
Repetitive Peak Reverse Voltage	V_{RRM}	50	V
Nonrepetitive Peak Reverse Surge Voltage	V_{RSM}	55	V
Average Output Current	I_o	100	mA
Surge Forward Current	I_{FSM}	2	A
Junction Temperature	T_j	-55 to +125	$^\circ\text{C}$
Storage Temperature	T_{stg}	-55 to +125	$^\circ\text{C}$

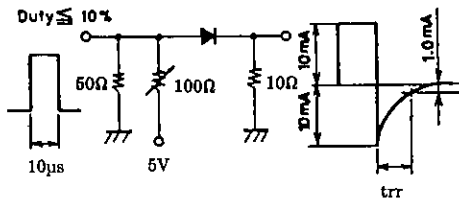
50Hz sine wave, 1 cycle

Electrical Characteristics at $T_a = 25^\circ\text{C}$ (Value per element)

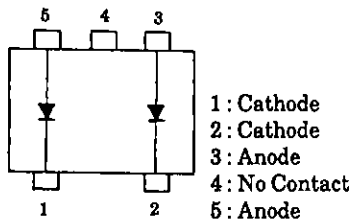
			min	typ	max	unit
Reverse Voltage	V_R	$I_R = 50\mu\text{A}$	50			V
Forward Voltage	V_F	$I_F = 100\text{mA}$			0.55	V
Reverse Current	I_R	$V_R = 25\text{V}$			15	μA
Interterminal Capacitance	C	$V_R = 10\text{V}, f = 1\text{MHz}$		4.4		pF
Reverse Recovery Time	t_{rr}	$I_F = I_R = 10\text{mA}$, See specified Test Circuit			10	ns
Thermal Resistance	$R_{th(j-a)}$			560		$^\circ\text{C/W}$

Marking : 806

t_{rr} Test Circuit

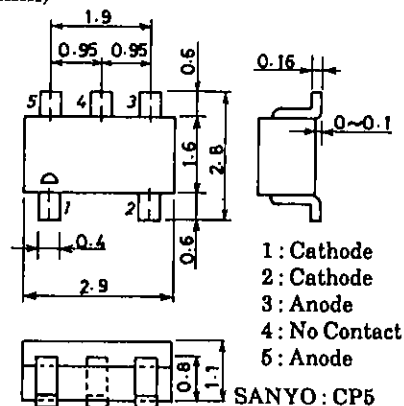


Electrical Connection

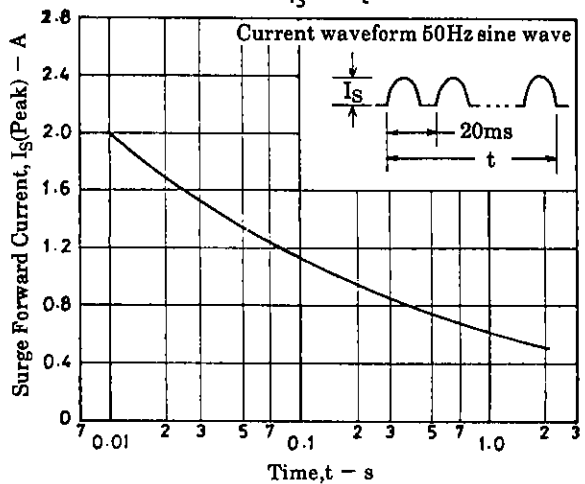
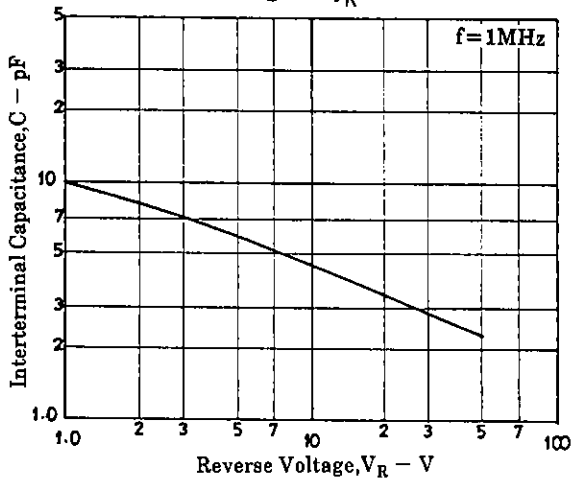
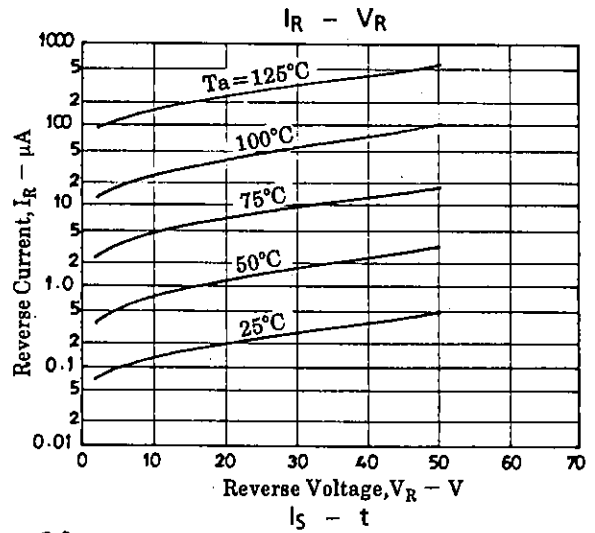
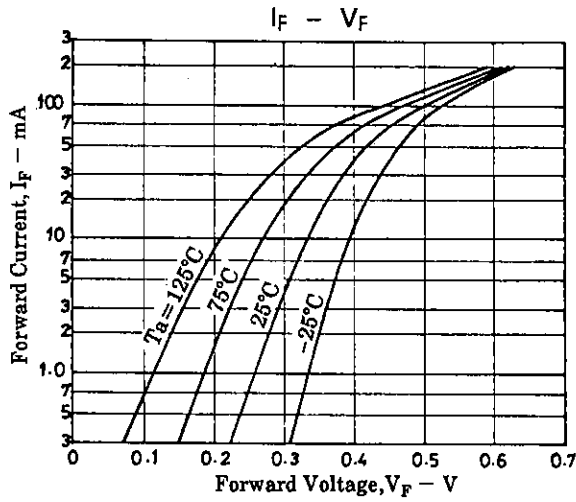


Package Dimensions 1236A

(unit : mm)



SANYO : CP5



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