

SANYO	No.4516A	FC810
		Schottky Barrier Diode
15V, 700mA Rectifier		

Features

- Low forward voltage (V_F max = 0.55V).
- Fast reverse recovery time (t_{rr} max = 10ns).
- Composite type with 2 diodes contained in the CP package currently in use, saving the mounting space greatly.
- The FC810 is formed with two chips, each being equivalent to the SB07-015C, placed in one package.

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

			unit
Repetitive Peak Reverse Voltage	V_{RRM}	15	V
Nonrepetitive Peak Reverse Voltage	V_{RSM}	17	V
Surge Voltage			
Average Output Current	I_o	700	mA
Surge Forward Current	I_{FSM}	5	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

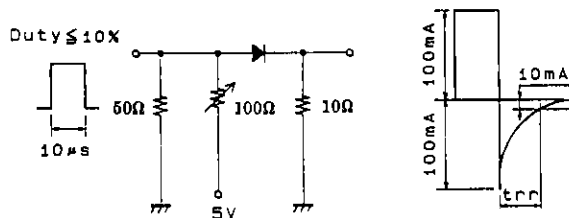
Electrical Characteristics at $T_a = 25^\circ\text{C}$ (Value per element)

			min	typ	max	unit
Reverse Voltage	V_R	$I_R = 150\mu\text{A}$	15			V
Forward Voltage	V_F	$I_F = 700\text{mA}$			0.55	V
Reverse Current	I_R	$V_R = 7.5\text{V}$			20	μA
Interterminal Capacitance	C	$V_R = 10\text{V}, f = 1\text{MHz}$		20		pF
Reverse Recovery Time	t_{rr}	$I_F = I_R = 100\text{mA}$			10	ns
		See specified Test Circuit				
Thermal Resistance	$R_{th(j-a)}$			560		$^\circ\text{C/W}$

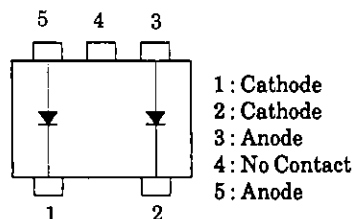
Note) The specifications shown above are for each individual diode.

Marking : 810

t_{rr} Test Circuit

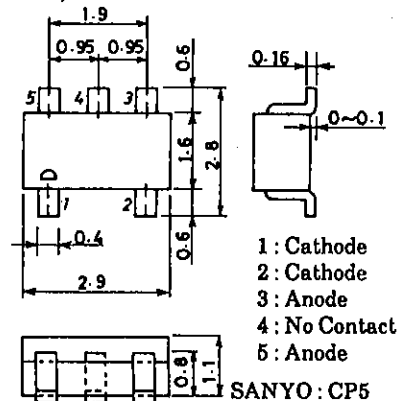


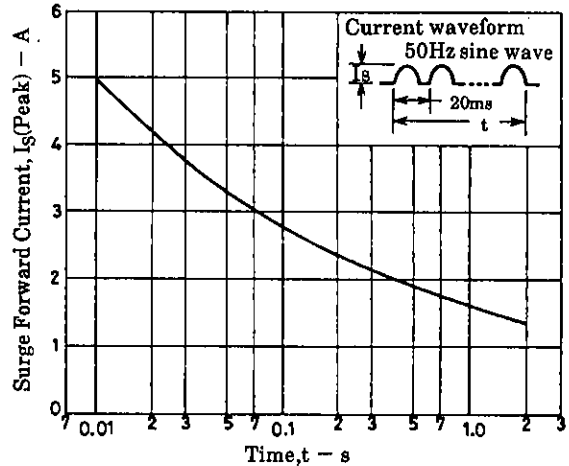
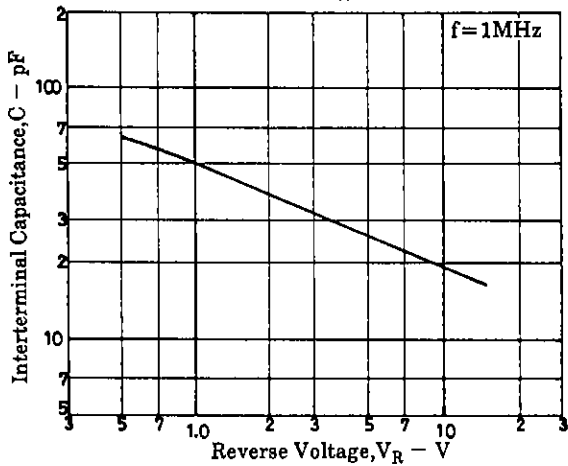
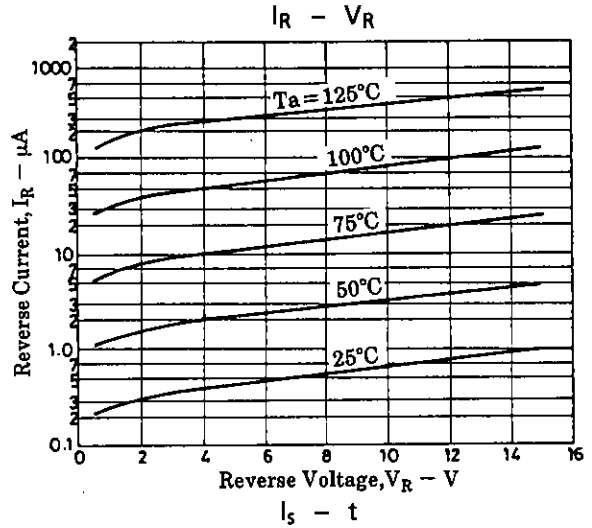
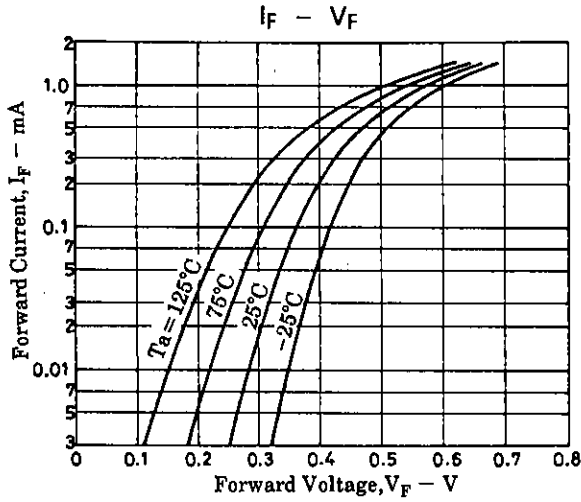
Electrical Connection



Package Dimensions 1236A

(unit : mm)





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This catalog provides information as of October, 1996. Specifications and information herein are subject to change without notice.