



FC808

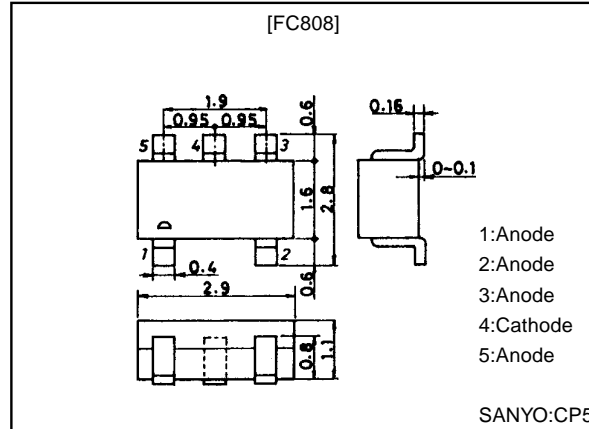
Silicon Epitaxial Planar Type High-Speed Switching Composite Diode (Cathode Common)

Features

- Composite type with 4 diodes contained in the CP package currently in use, saving the mounting space greatly.
- Fast switching speed.

Package Dimensions

unit:mm
1250A



Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V_{RM}		85	V
Reverse Voltage	V_R		80	V
Surge Current	I_{FSM}	10ms*	2	A
Average Rectified Current	I_{O*}		100	mA
Peak Forward Current	I_{FM*}		300	mA
Allowable Power Dissipation	P^*		200	mW
Junction Temperature	T_J		150	°C
Storage Temperature	T_{stg}		-55 to +150	°C

Note) *:Unit rating. The total rating is 150% of the unit rating.

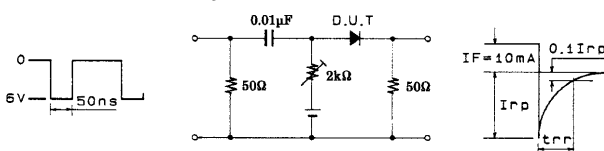
Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=10mA$		0.72	1.0	V
		$I_F=100mA$		0.92	1.2	V
Reverse Current	I_R	$V_R=50V$			0.1	μA
		$V_R=80V$			0.5	μA
Interterminal Capacitance	C	$V_R=0V, f=1MHz$		4.0		pF
Reverse Recovery Time	t_{rr}	$I_F=10mA, V_R=6V, R_L=5\Omega, I_{rr}=0.1I_{rp}$			5.0	ns

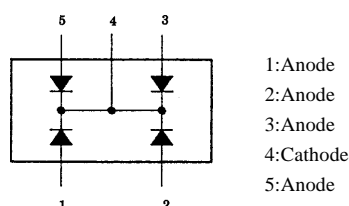
Note) The specifications shown above are for each individual diode.

- Marking:808

Reverse Recovery Time Test Circuit



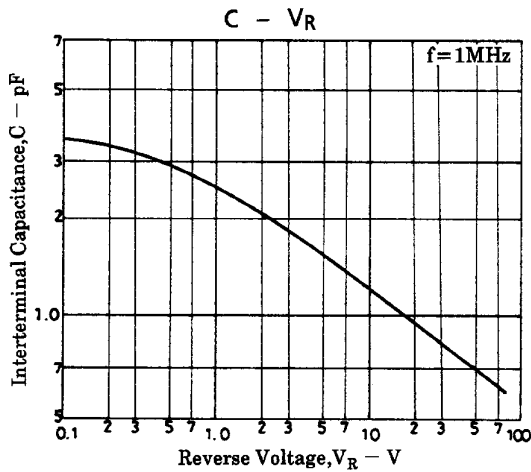
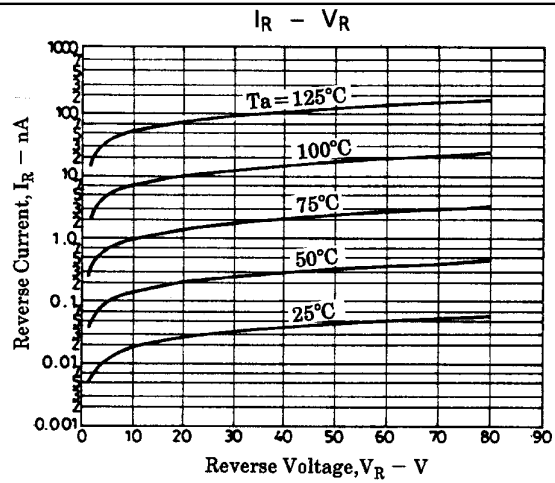
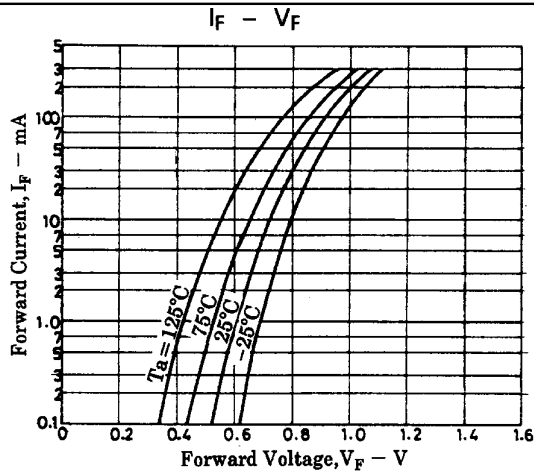
Electrical Connection



SANYO Electric Co.,Ltd. Semiconductor Business Headquarters

TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN

22898HA (KT)/O3196GI/82093YH (KOTO) X-7219 No.4338-1/2



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