

Ordering number:EN4337A



FC807

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

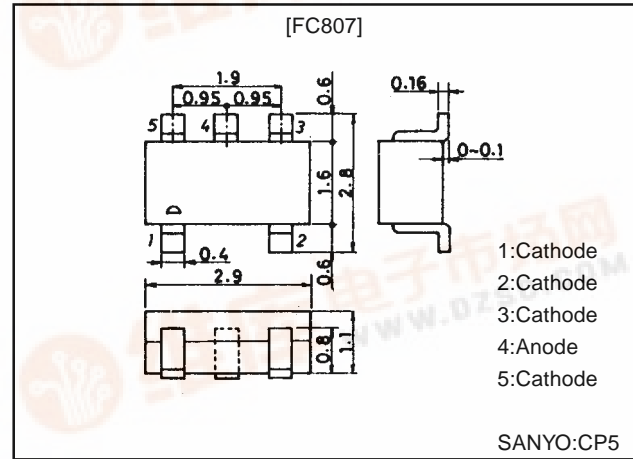
Features

- Composite type with 4 diodes contined in the CP package currently in use, improving the mouting efficiency greatly.
- Fast switching speed.

Package Dimensions

unit:mm

1249A



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.

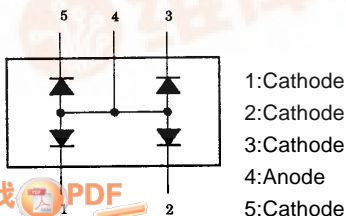
Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditons	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=10mA$		0.72	1.0	V
		$I_F=100mA$		0.88	1.2	V
Reverse Current	I_R	$V_R=50V$		0.1		μA
		$V_R=80V$		0.5		μA
Interterminal Capacitance	C	$V_R=0V, f=1MHz$		4.5	9.0	pF
Reverse Recovery Time	t_{rr}	$I_F=10mA, V_R=6V, R_L=50\Omega, i_{rr}=0.1I_{rp}$			8.0	ns

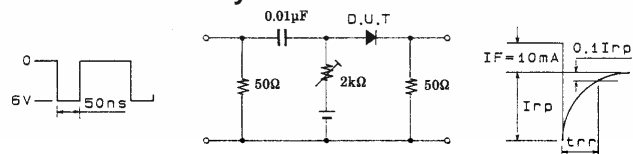
Note:The specifications shown above are for individual diode.

Marking:807

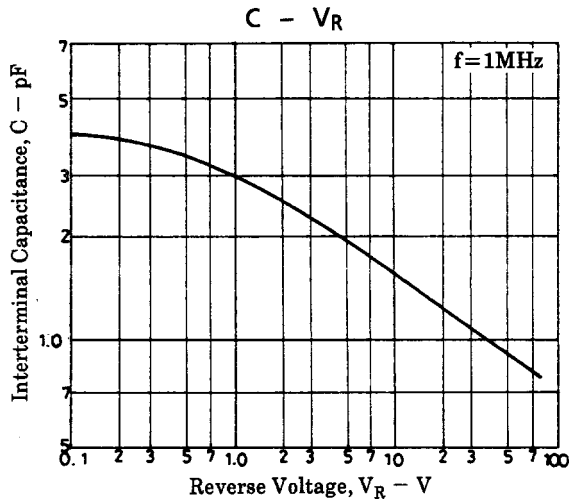
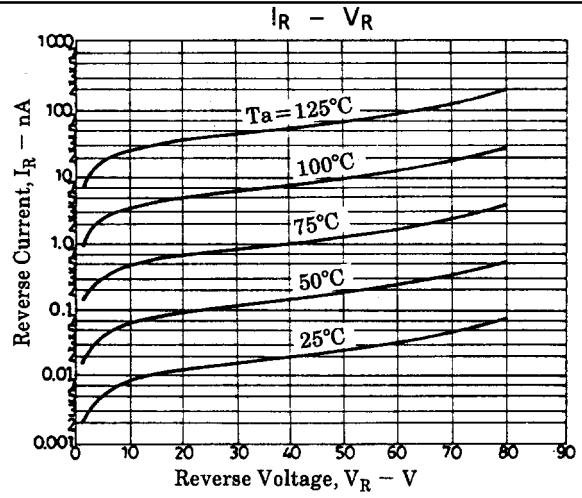
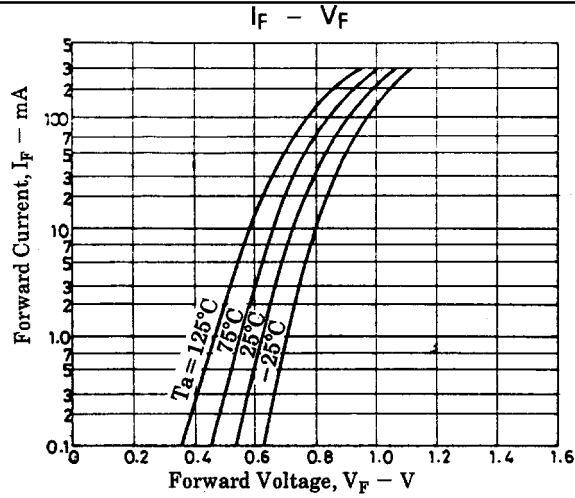
Electrical Connection



Reverse Recovery Time Test Circuit



FC807



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