



# FC807

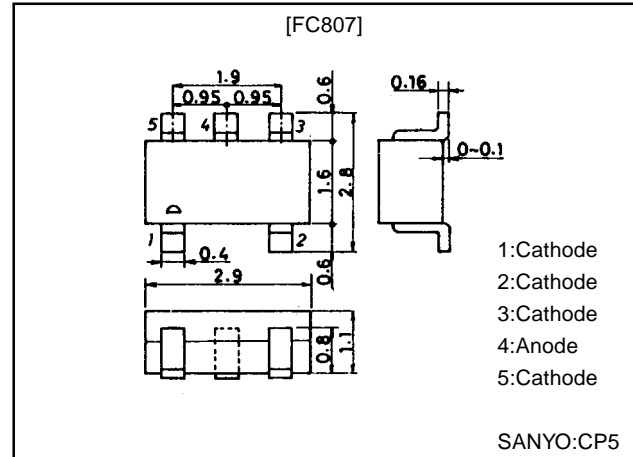
## Silicon Epitaxial Planar Type High-Speed Switching Composite Diode (Anode Common)

### Features

- Composite type with 4 diodes contained in the CP package currently in use, improving the mounting 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.

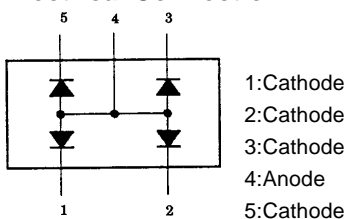
#### Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	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

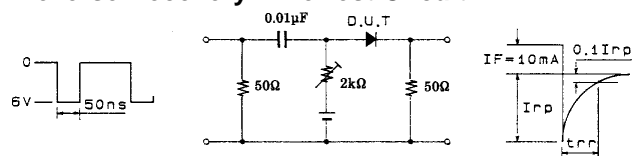
Note:The specifications shown above are for individual diode.

Marking:807

#### Electrical Connection



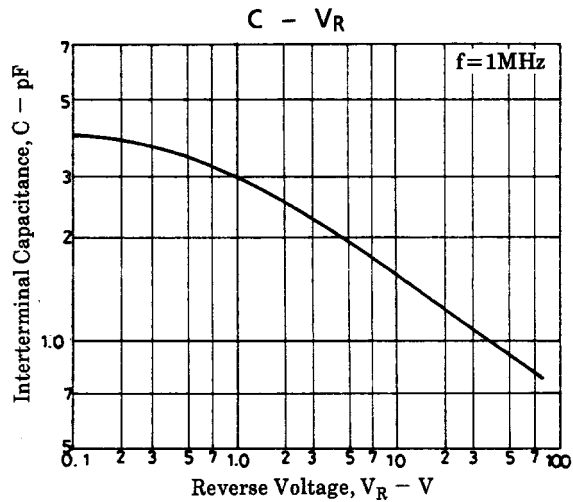
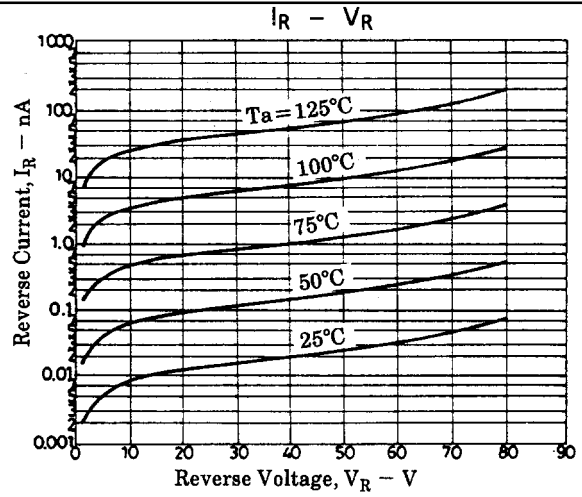
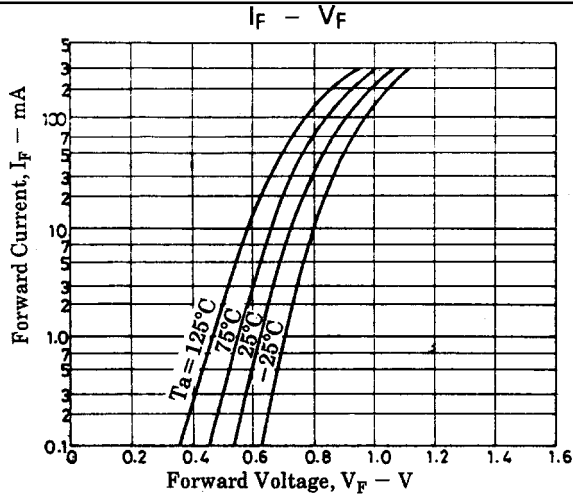
#### Reverse Recovery Time Test Circuit



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