

SANYO**FC903**

Silicon Epitaxial Planar Type

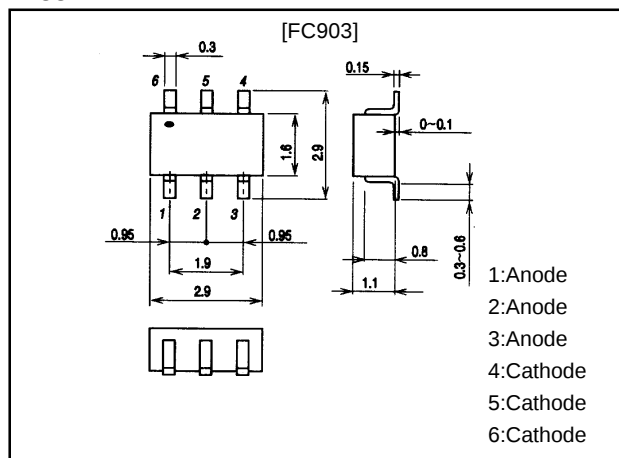
High-Speed Switching Composite Diode**Features**

- Composite type with 3 diodes contained in the CP package currently in use, improving the mounting efficiency greatly.
- The FC903 is formed with 3 chips, each being equivalent to the DSB010, placed in one package.
- High switching speed.

Package Dimensions

unit:mm

1288

**Specifications****Absolute Maximum Ratings at Ta = 25°C**

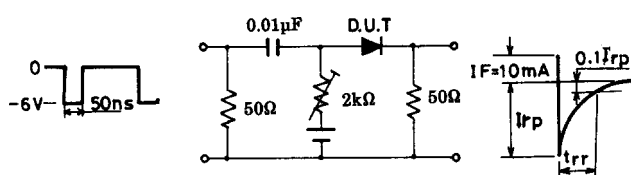
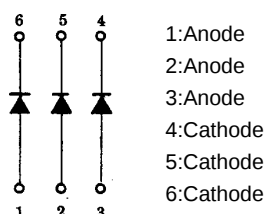
Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V_{RM}		85	V
Reverse Voltage	V_R		80	V
Peak Forward Current	I_{FM}		300	mA
Average Rectified Current	I_O		100	mA
Surge Forward Current	I_{FSM}	1μs	4	A
Allowable Power Dissipation	P	Total value	300	mW
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_{F1}	$I_F=1mA$		0.60		V
	V_{F2}	$I_F=10mA$		0.72		V
	V_{F3}	$I_F=100mA$			1.2	V
Reverse Current	I_{R1}	$V_R=30V$			0.1	μA
	I_{R2}	$V_R=80V$			0.5	μA
Interterminal Capacitance	C	$V_R=0V, f=1MHz$			3.0	pF
Reverse Recovery Time	t_{rr}	$I_F=10mA, V_R=6V, R_L=50\Omega, I_{rr}=0.1I_{rp}$			4.0	ns

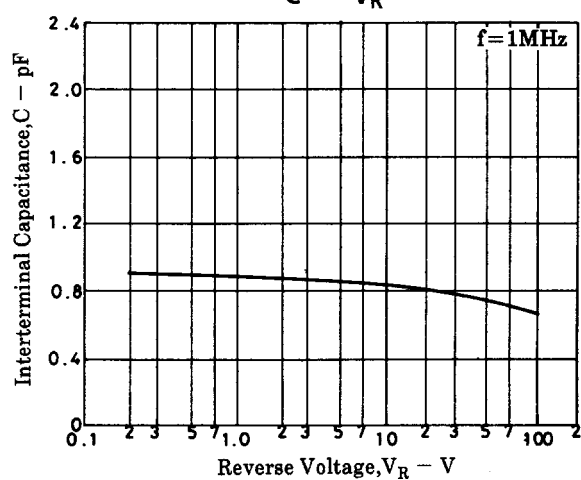
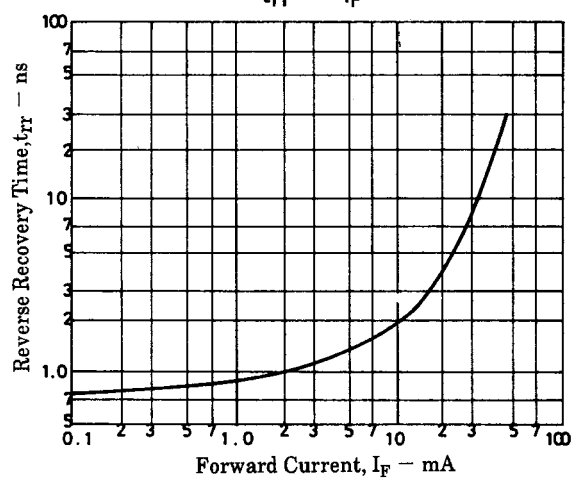
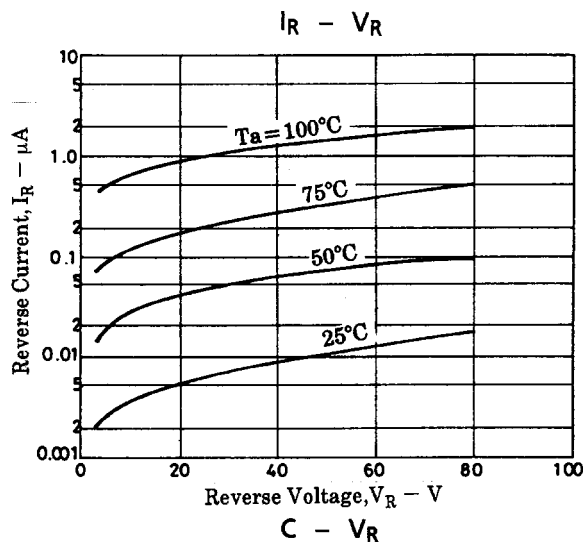
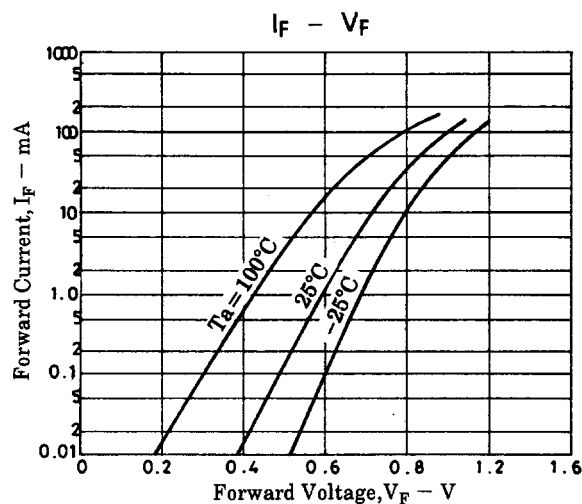
Note:The specifications shown above are for each individual diode.

Marking : 903

 t_{rr} Test Circuit**Electrical Connection**

SANYO Electric Co.,Ltd. Semiconductor Business Headquarters
TOKYO OFFICE, Tokyo Bldg., 1-10, Chome, Ueno, Taito-ku, TOKYO, 110-8534 JAPAN

63098HA (KT)/31497GI/N151MH, (KOTO) No.3869-1/2



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