

**SANYO**

**FC903**

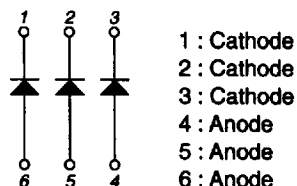
Silicon Epitaxial Planar Type

**High-Speed Switching Composite Diode**

**Features**

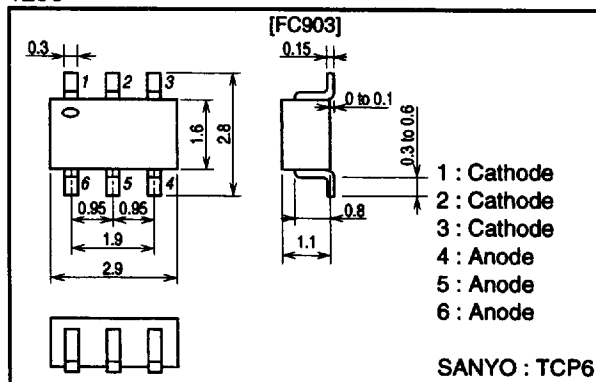
- Composite type with 3 diodes contained in the CP package currently in use, improving the mounting efficiency greatly.
- The FC903 is formed with 3 chips, each being equivalent to the DSB010, placed in one package.
- High switching speed.

**Electrical Connection**



**Package Dimensions**

unit : mm  
1296



**Specifications**

Absolute Maximum Ratings at Ta=25°C

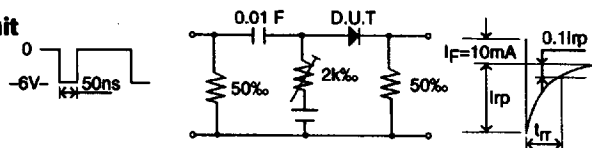
Parameter	Symbol	Conditions	Rated	Unit
Peak Reverse Voltage	VRM		85	V
Reverse Voltage	VR		80	V
Peak Forward Current	IFM		300	mA
Average Rectified Current	IQ		100	mA
Surge Forward Current	IFSM	1μs	4	A
Allowable Power Dissipation	P	Total value	300	mW
Junction Temperature	TJ		125	°C
Storage Temperature	Tstg		- 55 to + 125	°C

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

Parameter	Symbol	Conditions	Rated			Unit
			min	typ	max	
Forward Voltage	VF1	IF=1mA		0.60		V
	VF2	IF=10mA		0.72		V
	VF3	IF=100mA			1.2	V
Reverse Current	IR1	VR=30V			0.1	μA
	IR2	VR=80V			0.5	μA
Interterminal Capacitance	C	VR=0, f=1MHz			3.0	pF
Reverse Recovery Time	trr	IF=10mA, VR=6V, RL=50Ω, IIR=0.1Ir			4.0	ns

Note : The specifications shown above are for each individual diode. Marking : 903

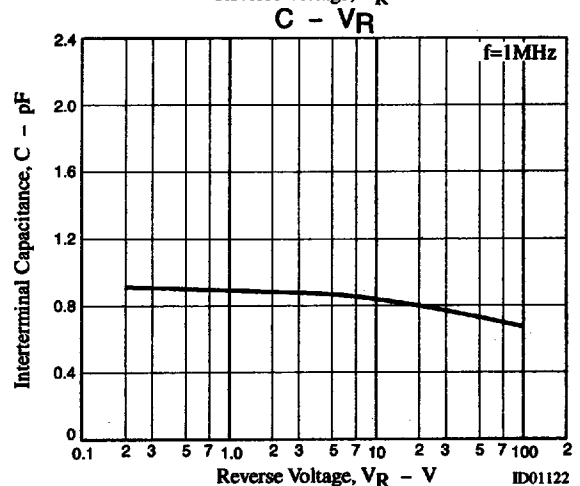
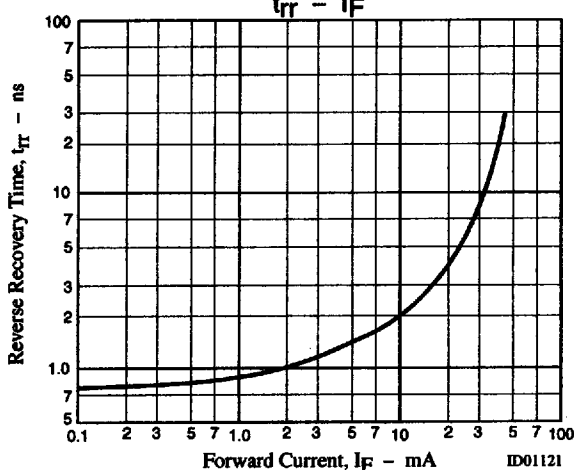
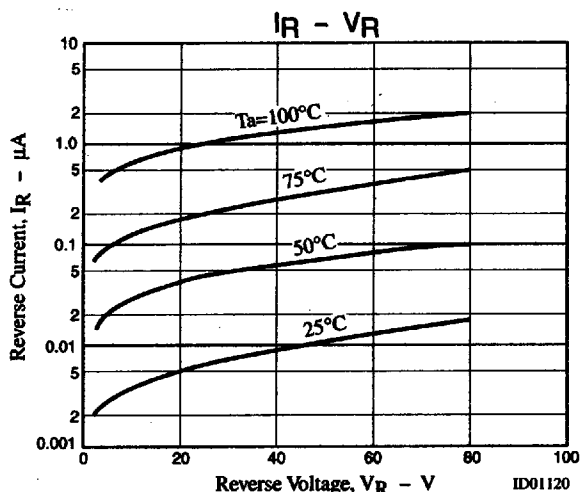
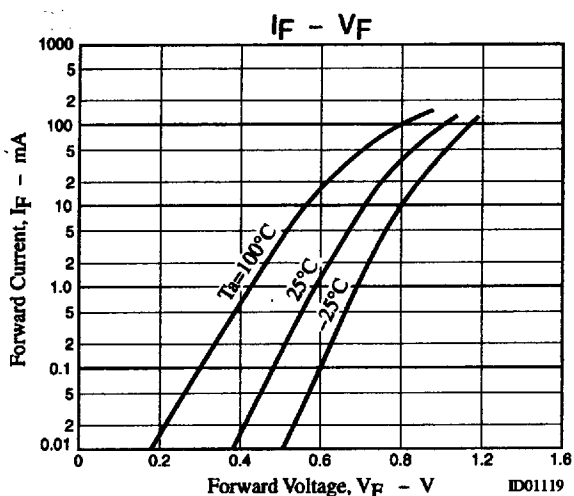
**trr Test Circuit**



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