

SANYO

FC903

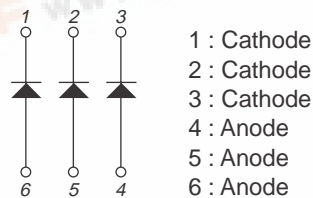
Silicon Epitaxial Planar Type

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



Specifications

Absolute Maximum Ratings at Ta=25°C

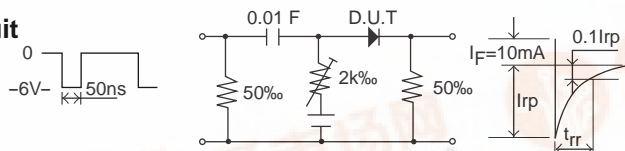
Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V _{RM}		85	V
Reverse Voltage	V _R		80	V
Peak Forward Current	I _{FM}		300	mA
Average Rectified Current	I _O		100	mA
Surge Forward Current	I _{FSM}	1μs	4	A
Allowable Power Dissipation	P	Total value	300	mW
Junction Temperature	T _j		125	°C
Storage Temperature	T _{stg}		- 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 =0, f=1MHz			3.0	pF
Reverse Recovery Time	t _{rr}	I _F =10mA, V _R =6V, R _L =50Ω, I _{rr} =0.1I _p			4.0	ns

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

t_{rr} Test Circuit



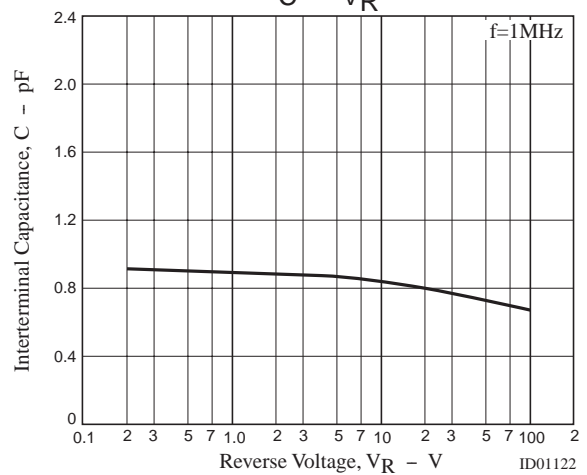
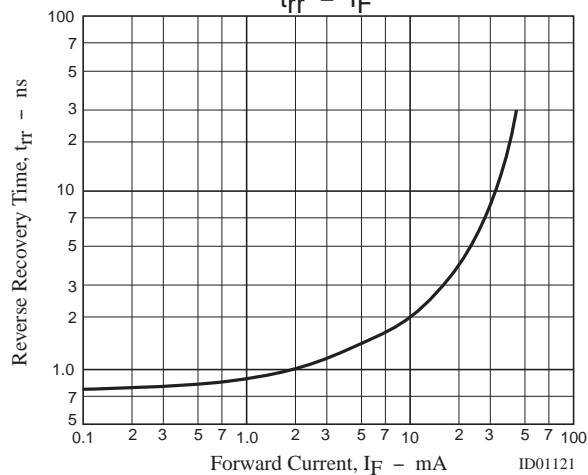
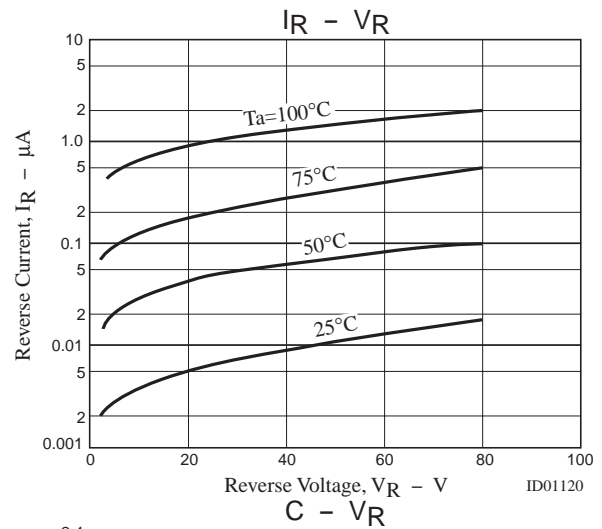
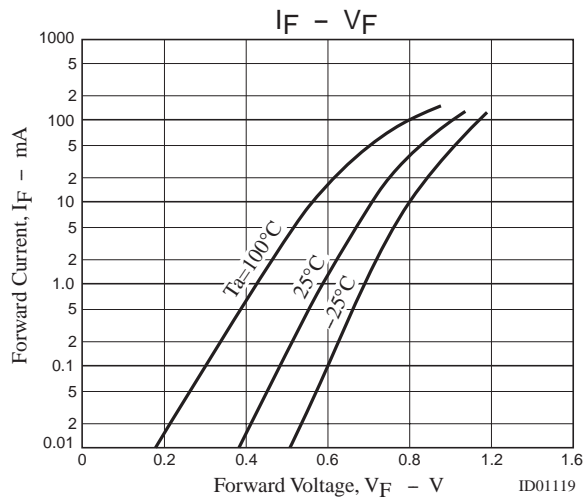
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