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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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FC903

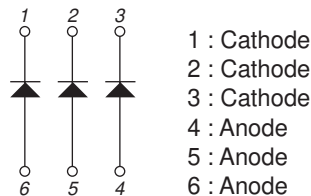
Silicon Epitaxial Planar Type

High-Speed Switching Composite Diode

Features

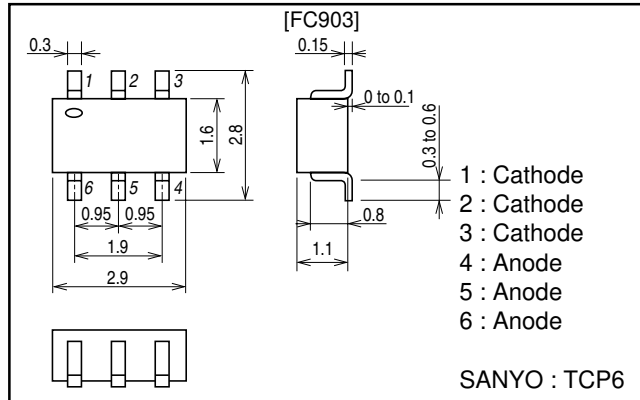
- Composite type with 3 diodes contained in the CP package currently in use, improving the mounting efficiency greatly.
- The FC903 is formed with 3 chips, each being equivalent to the DSB010, placed in one package.
- High switching speed.

Electrical Connection



Package Dimensions

unit : mm
1296



Specifications

Absolute Maximum Ratings at Ta=25°C

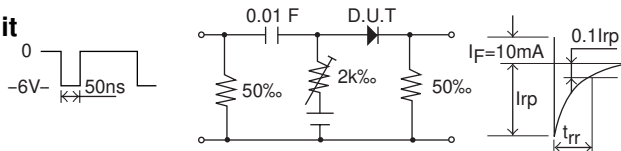
Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V_{RM}		85	V
Reverse Voltage	V_R		80	V
Peak Forward Current	I_{FM}		300	mA
Average Rectified Current	I_O		100	mA
Surge Forward Current	I_{FSM}	1 μ s	4	A
Allowable Power Dissipation	P	Total value	300	mW
Junction Temperature	Tj		125	°C
Storage 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	μ A
	I_{R2}	$V_R=80V$			0.5	μ A
Interterminal Capacitance	C	$V_R=0, f=1MHz$			3.0	pF
Reverse Recovery Time	t_{rr}	$I_F=10mA, V_R=6V, R_L=50\Omega, I_{rr}=0.1I_p$			4.0	ns

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

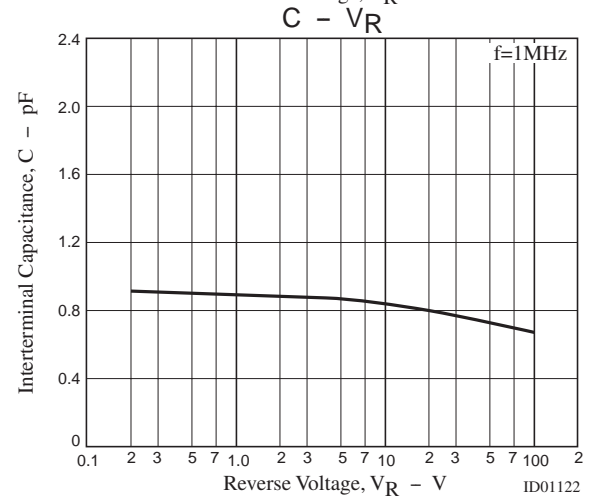
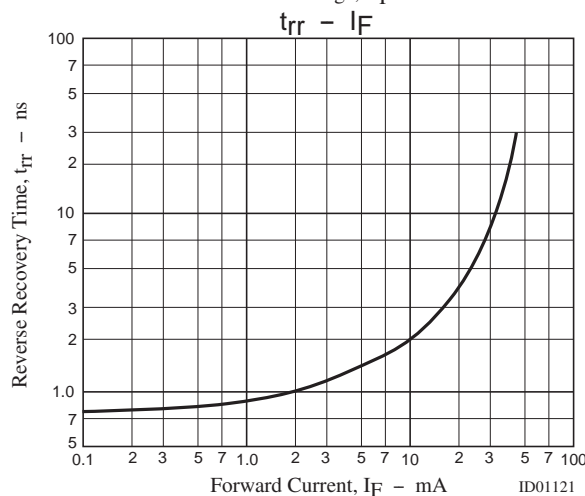
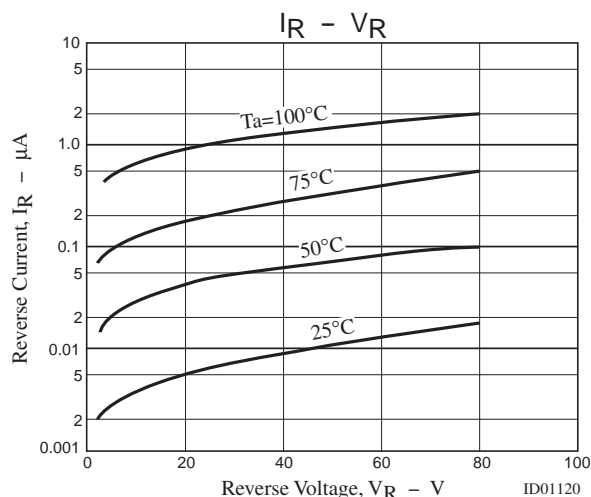
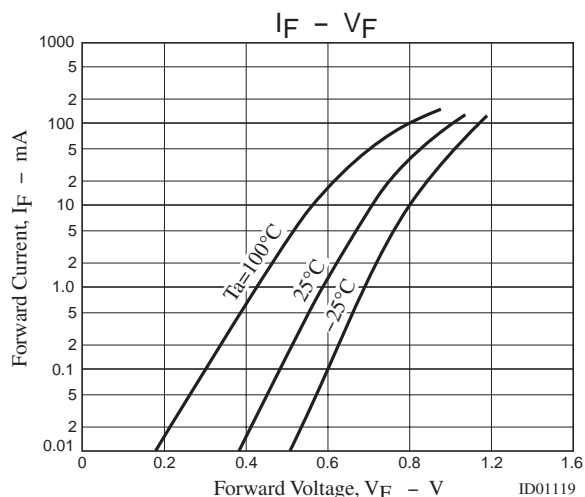
t_{rr} Test Circuit



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