

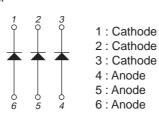
FC903

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**

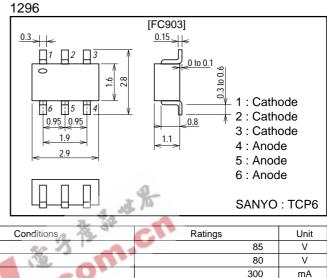


Specifications

Absolute Maximum Ratings at Ta=25°C

Package Dimensions

unit : mm



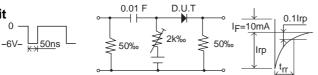
Parameter	Symbol	Conditi	ons	Ratings	Unit
Peak Reverse Voltage	VRM	40		85	V
Reverse Voltage	VR			80	V
Peak Forward Current	IFM		-0.	300	mA
Average Rectified Current	lo			100	mA
Surge Forward Current	IFSM	1μs	•	4	А
Allowable Power Dissipation	Р	Total value		300	mW
Junction Temperature	Tj			125	°C
Storage Temperature	Tstg			– 55 to + 125	°C

Electrical Characteristics at Ta=25°C

Parameter	V	Symbol	Conditions	Ratings			
				min	typ	max	Unit
Forward Voltage		V _F 1	IF=1mA		0.60		V
		V _F 2	IF=10mA		0.72		V
		V _F 3	IF=100mA			1.2	V
Reverse Current		I _R 1	V _R =30V			0.1	μA
		I _R 2	V _R =80V			0.5	μA
Interterminal Capacitance		С	V _R =0, f=1MHz			3.0	pF
Reverse Recovery Time		t _{rr}	IF=10mA, VR=6V, RL=50Ω, Irr=0.1Irp			4.0	ns

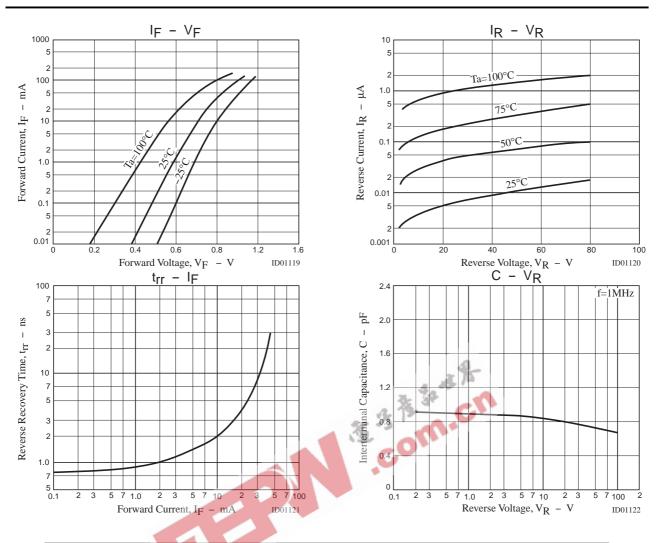
Note : The specifications shown above are for each individual diode. Marking : 903

trr Test Circuit



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