

FC803

Silicon Schottky Barrier Diode

30V, 70mA Rectifier

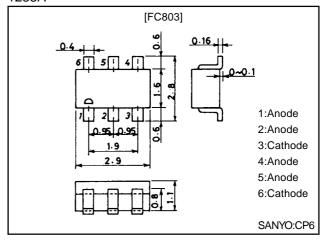
Features

- · Low forward voltage (V_F max=0.55V) .
- · Fast reverse recorvery time (trr max=10ns).
- · Composite type with 4 diodes contained in the CP package currently in use, improving the mounting efficiency greatly.
- The FC803 is formed with twi chips, each being equivalent to the SB007W03C, placed in one package.

Package Dimensions

unit:mm

1233A



Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Repetitive Peak Reverse Voltage	V _{RRM}		30	V
Nonrepetitive Peak Reverse Surge Voltage	V _{RSM}		35	V
Average Output Current	IO		70	mA
Surge Forward Current	IFSM	50MHz sine wave, 1 cycle	2	Α
Junction Temperature	Tj		-55 to +125	°C
Storage Temperature	Tstg		-55 to +125	°C

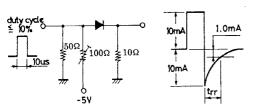
Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
	Symbol		min	typ	max	
Reverse Voltage	V _R	I _R =20μA	30			V
Forward Voltage	V _F	I _F =70mA			0.55	V
Reverse Current	IR	V _R =15V			5	μΑ
Interteminal Capacitance	С	V _R =10V, f=1MHz		3.0		pF
Reverse Recovery Time	trr	I _F =I _R = (-) 10mA, See specified Test Circuit			10	ns

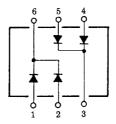
Note) The specifications shown above are for each individual diode.

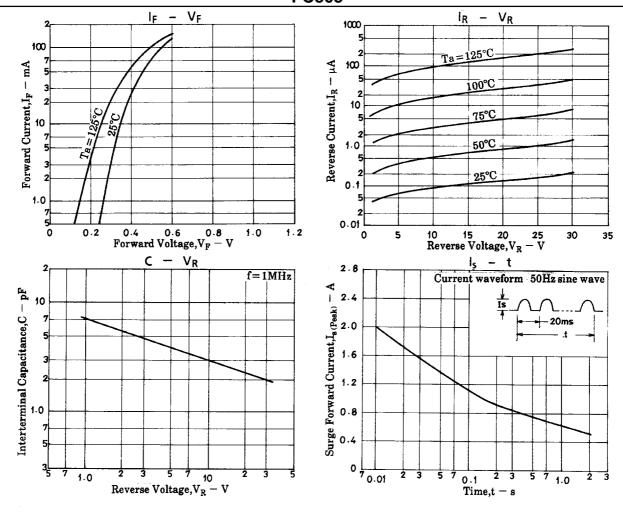
· Marking:803

trr Test Circuit



Electrical Connection





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