

FC801

Silicon Epitaxal Planar Diode

Composite Diode

for High-Speed Switching Applications

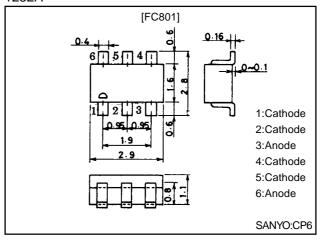
Features

- · Composite type with 4 diodes contained in the CP package currently in use, improving the mounting efficiency greatly.
- The FC801 is formed with two chips, each being equivalent to the DCA015, placed in one package.

Package Dimensions

unit:mm

1232A



Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V _{RM}		75	V
Reverse Voltage	V _R		50	V
Surge Current	IFSM	1µs	4	Α
Average Rectified Current	IO		100	mA
Peak Forward Current	I _{FM}		300	mA
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-50 to +150	°C

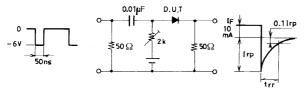
Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
	Symbol		min	typ	max	
Forward Voltage	VF	I _F =10mA		0.72	1.0	V
		I _F =50mA		0.82	1.0	V
		I _F =100mA		0.88	1.2	V
Reverse Current	IR	V _R =50V			100	nA
Intertermimal Capacitance	С	V _R =0V, f=1MHz		4.5	9.0	pF
Reverse Recovery Time	trr	$I_F=10mA$, $V_R=6V$, $R_L=50\Omega$, $I_{rr}=0.1Irp$			8.0	ns

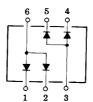
Note) The specifications shown above are for each individual diode.

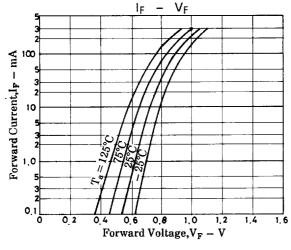
· Marking:801

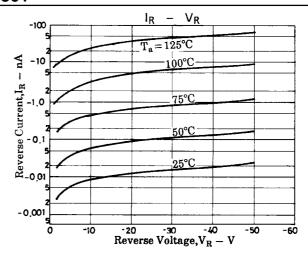
Reverse Recovery Time Test Circuit

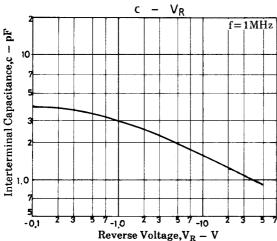


Electrical Connection









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