

DCA015

Silicon Epitaxial Planar Type (Anode Common)

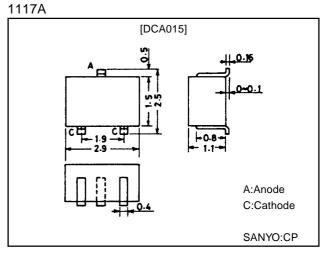
High-Speed Switching Diode

Features

- · Ideally suited for use in hybrid ICs because of very small-sized package.
- · Fast switching speed.
- · Economical because 2pcs, are contained.

Package Dimensions

unit:mm



Specifications

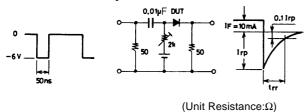
Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V _{RM}		75	V
Reverse Voltage	V _R		50	V
Surge Current	IFSM(1µs)		4	A
Average Rectified Current	lO		100	mA
	lo	Total value	150	mA
Peak Forward Current	IFM		300	mA
	IFM	Total value	450	mA
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	٧ _F	I _F =10mA		0.75	1.0	V
		I _F =50mA		0.85	1.0	V
		I _F =100mA			1.2	V
Reverse Current	۱ _R	V _R =50V			100	nA
Interterminal Capacitance	С	V _R =0V, f=1MHz			9	pF
Reverse Recovery Time	trr	I _F =10mA, V _R =6V, R _L =50Ω, Irr=0.1Irp			8	ns

Reverse Recovery Time Test Circuit



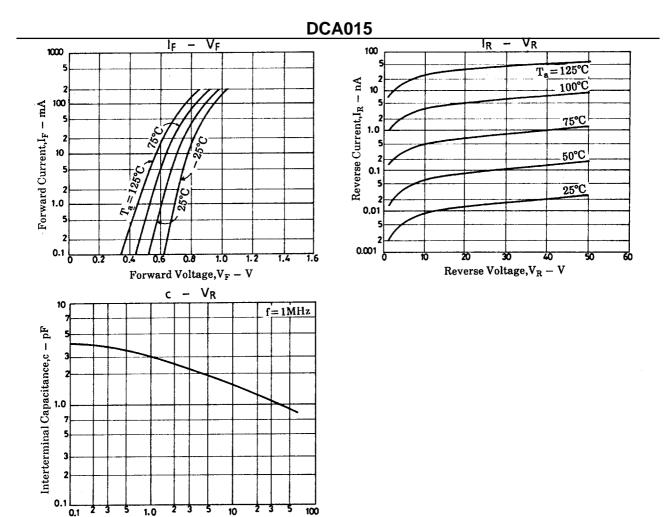
Electrical Connection

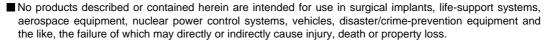


(Top view)

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52098HA (KT)/4039TA/2173KI, TS No.1159-1/2





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Reverse Voltage, $V_R - V$

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