Silicon Epitaxial Planar Type (Series Junction)



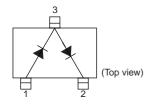
DCH010

Ultrahigh-Speed Switching Diodes

Features

- Ideally suited for use in hybrid ICs because of Ultrasmall-sized package.
- Fast switching speed.
- Small interterminal capacitance.

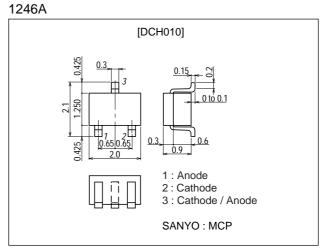
Electrical Connection



1 : Anode 2 : Cathode 3 : Cathode / Anode

Package Dimensions

unit : mm



Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	VRM		80	V
Reverse Voltage	VR		80	V
Peak Forward Current	IFM		300	mA
Average Rectified Current	IO		100	mA
Surge Forward Current(1µs)	Isurge		4	А
Allowable Power Dissipation	P(Total Value)		200	mW
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

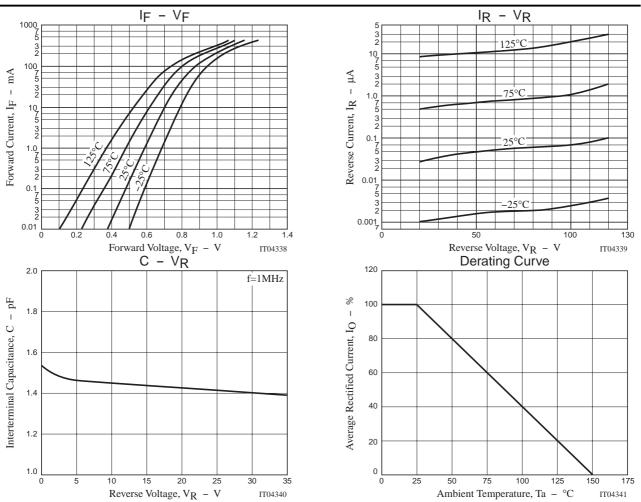
Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Forward Voltage	VF	IF=100mA			1.2	V
Reverse Current	IR	V _R =70V			0.2	μΑ
Interterminal Capacitance	С	f=1MHz, VR=6V			3.5	pF
Reverse Recovery Time	t _{rr}	IF=5mA, VR=6V, RL=50Ω, Irr=0.1Irp			4.0	ns

Marking : A7

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