



Silicon Epitaxial Planar Type

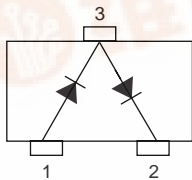
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Features

- Rectifier applications.
- Ideally suited for use in hybrid ICs because of very small-sized package.
- Small interterminal capacitance.

Electrical Connection

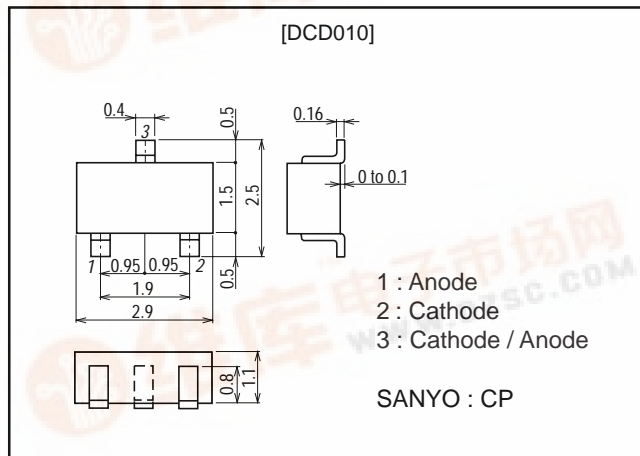


- 1 : Anode
- 2 : Cathode
- 3 : Cathode / Anode

Package Dimensions

unit : mm

1251A



Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V _{RM}		20	V
Reverse Voltage	V _R		20	V
Peak Forward Current	I _{FM}		200	mA
Average Rectified Current	I _O		100	mA
Surge Current	I _{FSM}	(1μs)	300	mA
Allowable Power Dissipation	P		200	mW
Junction Temperature	T _j		125	°C
Storage Temperature	T _{stg}		-55 to +125	°C

Electrical Characteristics at Ta=25°C

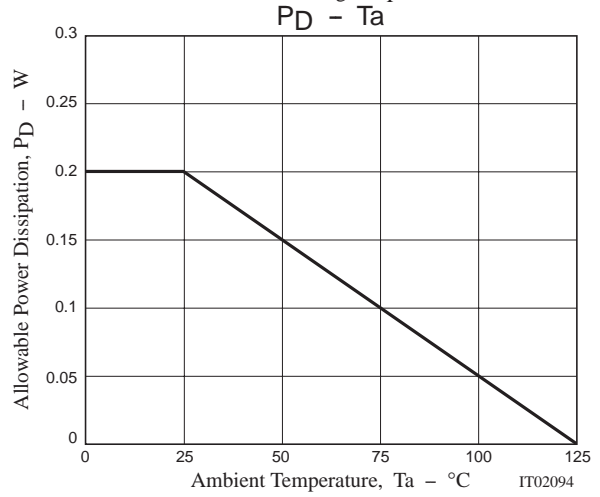
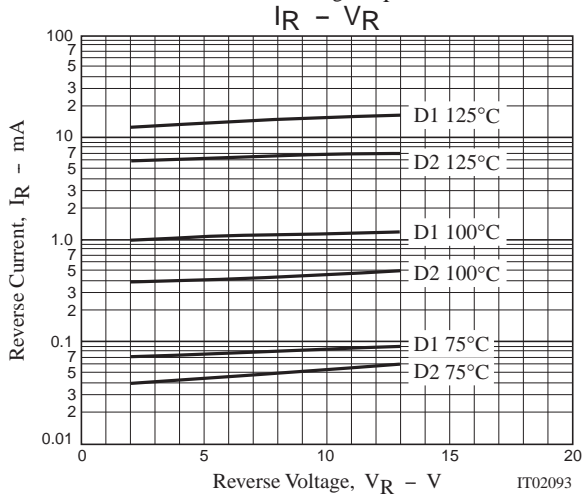
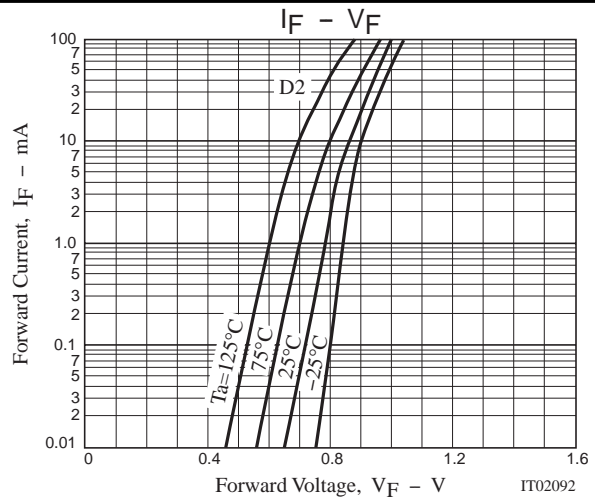
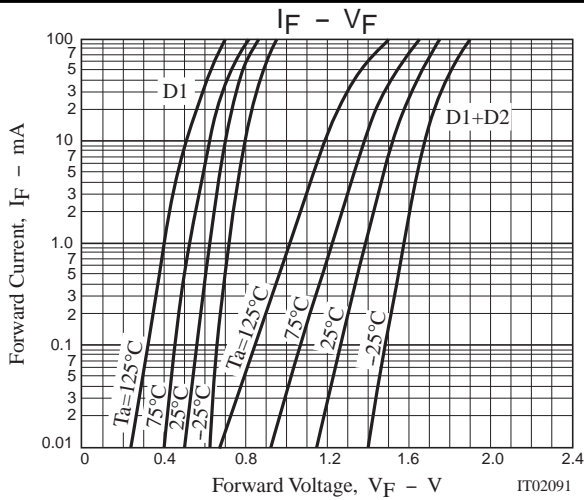
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V _F	I _F =10mA			1.0	V
Reverse Current	I _{R1}	V _R =15V			0.1	μA
Interterminal Capacitance	C	V _R =6V, f=1MHz			4.0	pF

Note) V_F and I_R are values per element.
C is the value for two elements.

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