



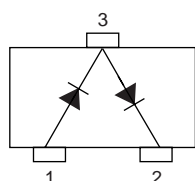
Diodes

An ON Semiconductor Company

Features

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

Electrical Connection

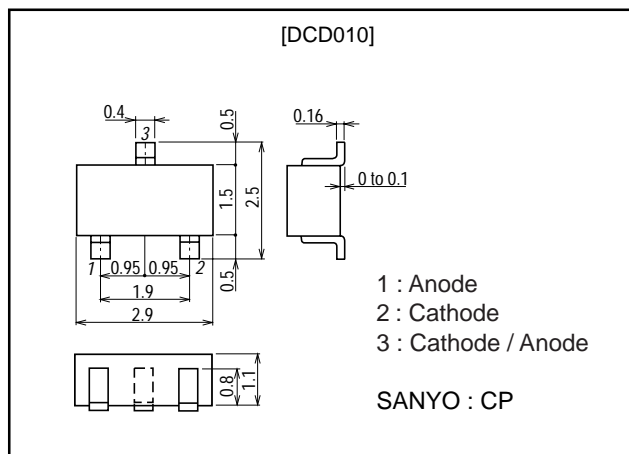


- 1 : Anode
2 : Cathode
3 : Cathode / Anode

Package Dimensions

unit : mm

1251A



Specifications

Absolute Maximum Ratings at $T_a=25^\circ\text{C}$

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}	(1 μ s)	300	mA
Allowable Power Dissipation	P		200	mW
Junction Temperature	T_j		125	$^\circ\text{C}$
Storage Temperature	T_{stg}		-55 to +125	$^\circ\text{C}$

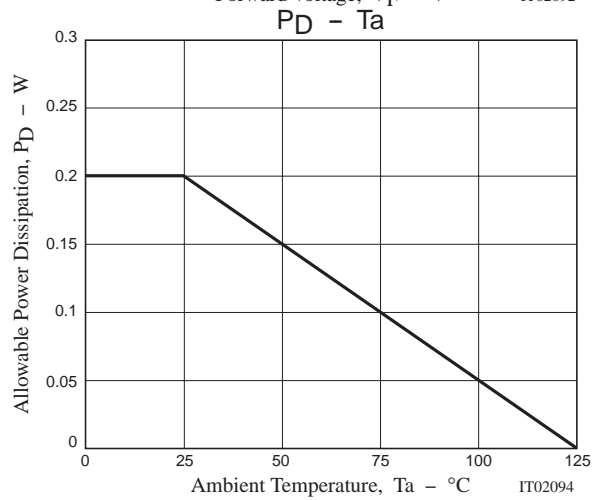
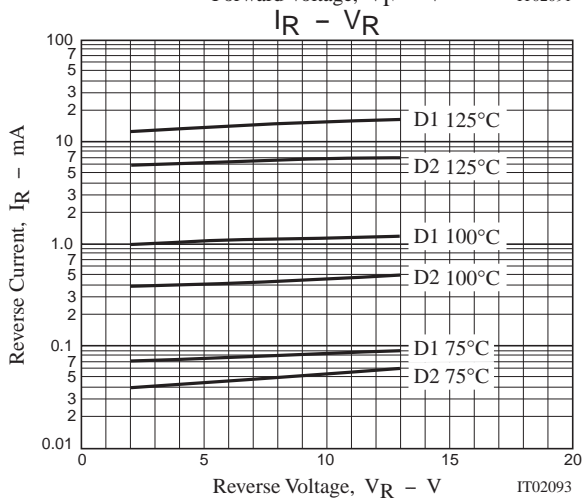
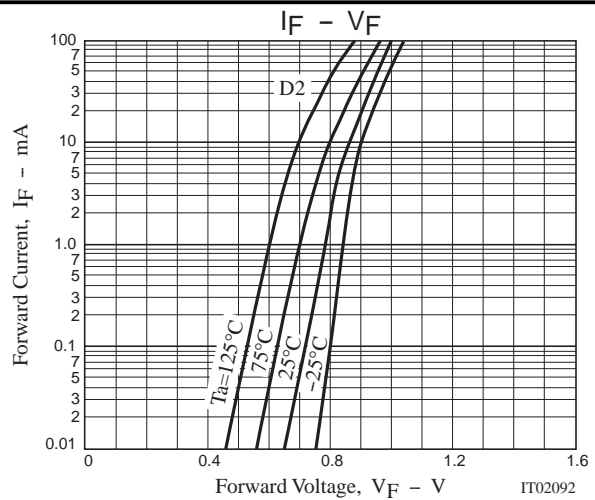
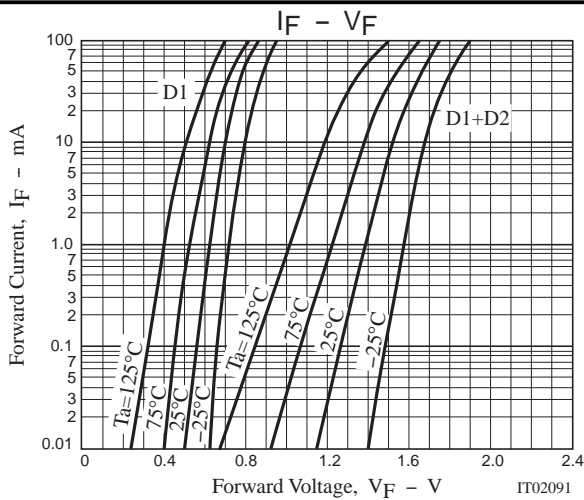
Electrical Characteristics at $T_a=25^\circ\text{C}$

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=10\text{mA}$			1.0	V
Reverse Current	I_{R1}	$V_R=15\text{V}$			0.1	μA
Interterminal Capacitance	C	$V_R=6\text{V}$, $f=1\text{MHz}$			4.0	pF

Note) V_F and I_R are values per element.

C is the value for two elements.

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