

DSE010

Silicon Epitaxial Planar Type

Very High-Speed Switching Diode

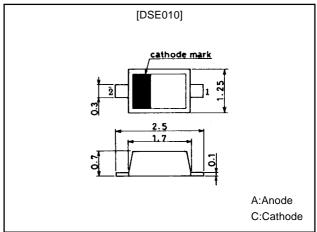
Features

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

Package Dimensions

unit:mm

1260



Specifications

Absolute Maximum Ratings at Ta = 25°C

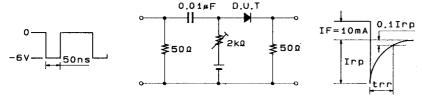
Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V _{RM}		90	V
Reverse Voltage	V _R		80	V
Peak Forward Current	I _{FM}	1 µs	225	mA
Average Rectified Current	lo		100	mA
Surge Forward Current	I _{FSM}		500	mA
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

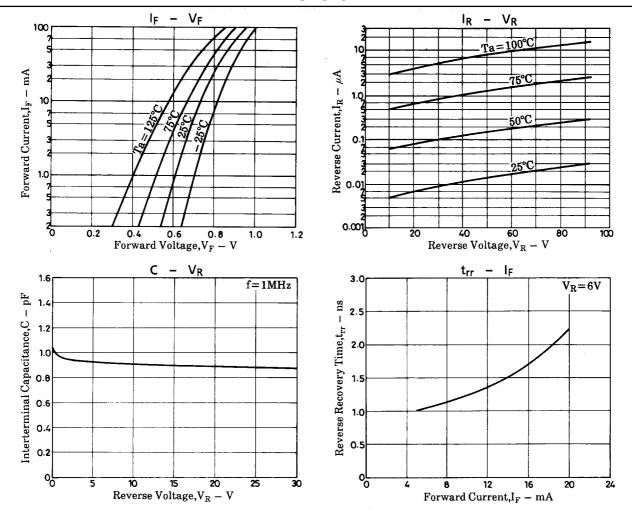
Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
	Symbol		min	typ	max	Offic
Forward Voltage	VF	I _F =100mA			1.2	V
Reverse Current	I _R	V _R =80V			0.5	μA
Interterminal Capacitance	С	V _R =0.5V, f=1MHz			3.0	pF
Reverse Recovery Time	t _{rr}	$I_F=10$ mA, $V_R=6$ V, $R_L=50\Omega$, $I_{rr}=0.1$ I_{rp}			4.0	ns

Marking: C

t_{rr} Test Circuit





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