



DSE010

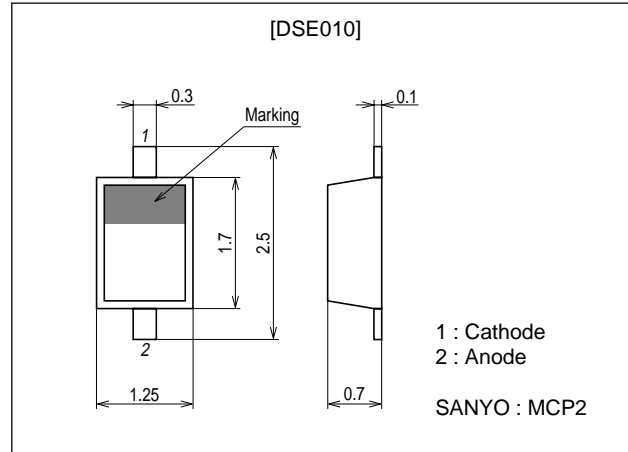
Ultrahigh-Speed Switching Diodes

Features

- Ideally suited for use in hybrid ICs because of Ultrasmall-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}		225	mA
Average Rectified Current	I _O		100	mA
Surge Forward Current	I _{FSM}	1s pulse	500	mA
Junction Temperature	T _J		125	°C
Storage Temperature	T _{stg}		-55 to +125	°C

Electrical Characteristics at Ta=25°C

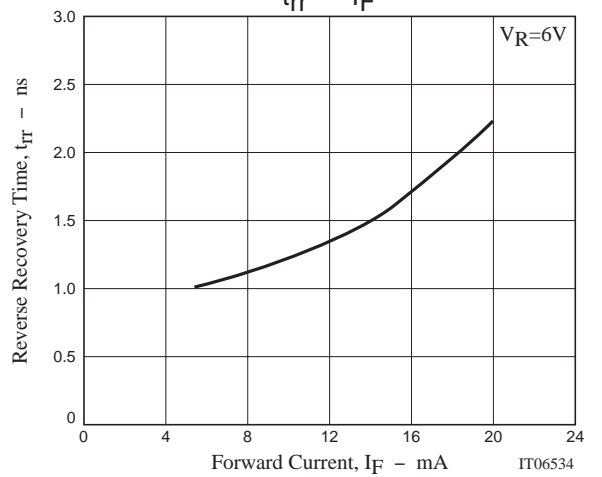
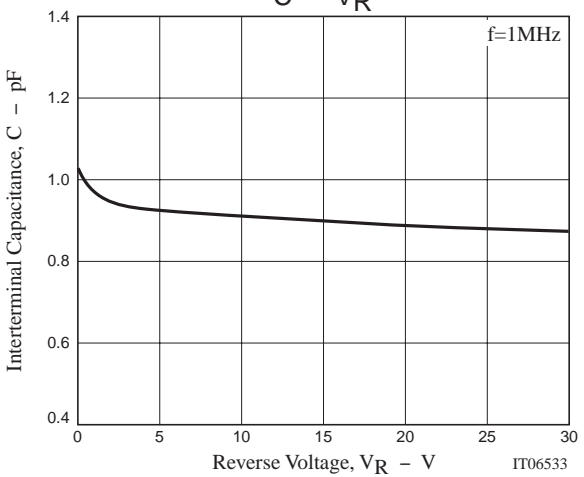
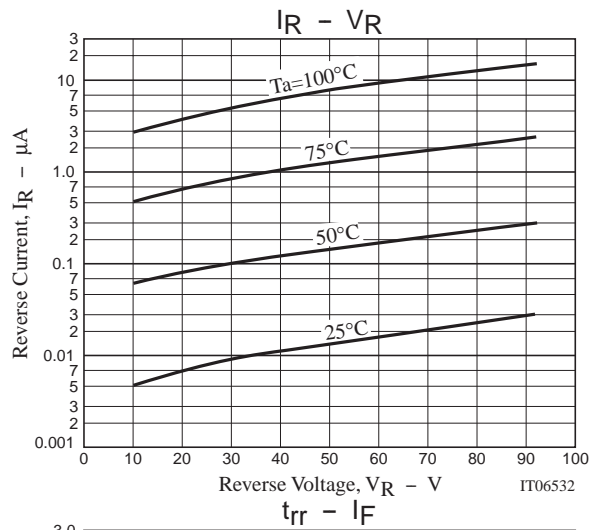
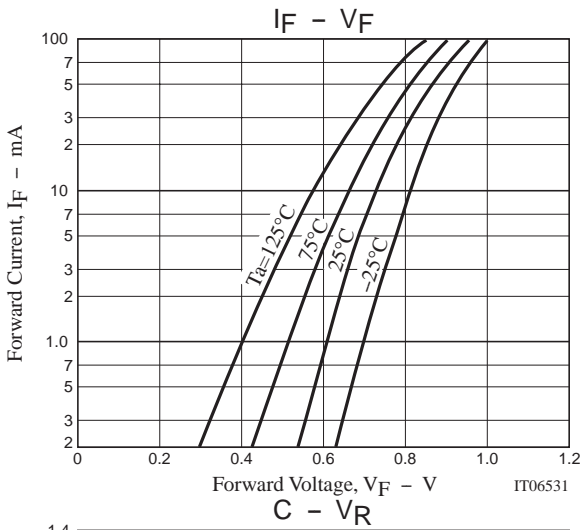
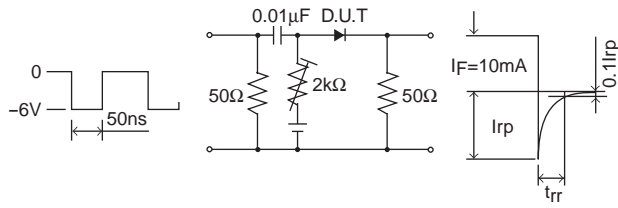
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V _F	I _F =100mA			1.2	V
Reverse Current	I _R	V _R =80V			0.5	μA
Interterminal Capacitance	C	V _R =0.5V, f=1MHz			3.0	pF
Reverse Recovery Time	t _{rr}	I _F =10mA, V _R =6V, R _L =50Ω, I _{rr} =0.1I _p			4.0	ns

Marking : A

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t_{rr} Test Circuit



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