

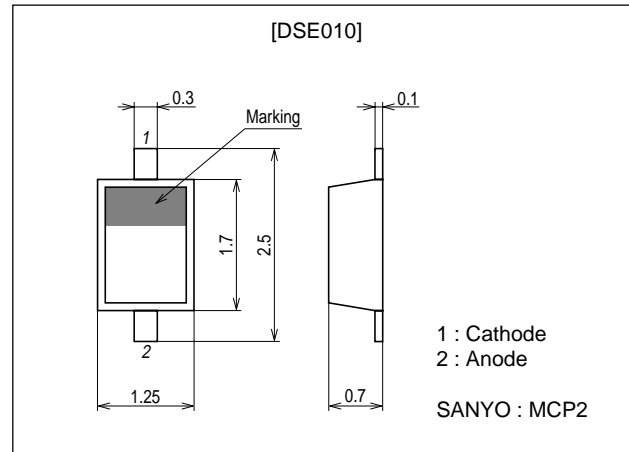
**DSE010****Ultrahigh-Speed Switching Diodes****Features**

- 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	VRM		90	V
Reverse Voltage	VR		80	V
Peak Forward Current	IFM		225	mA
Average Rectified Current	IO		100	mA
Surge Forward Current	IFSM	1s pulse	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
			min	typ	max	
Forward Voltage	VF	IF=100mA			1.2	V
Reverse Current	IR	VR=80V			0.5	μA
Interterminal Capacitance	C	VR=0.5V, f=1MHz			3.0	pF
Reverse Recovery Time	trr	IF=10mA, VR=6V, RL=50Ω, Irr=0.1Irp			4.0	ns

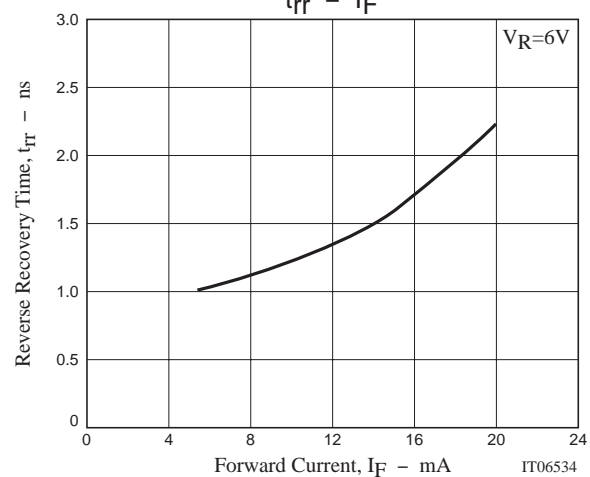
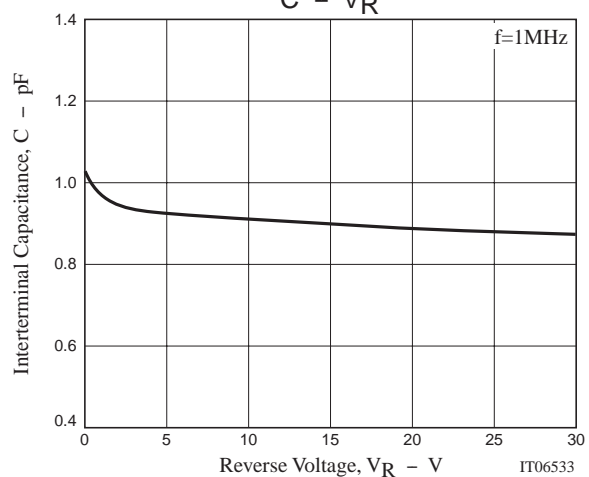
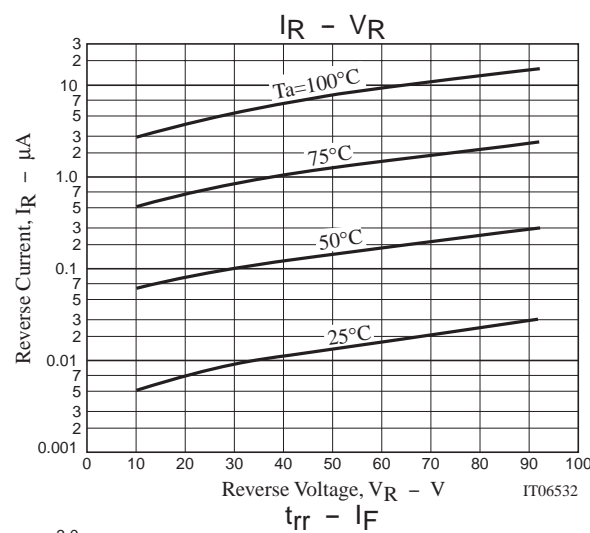
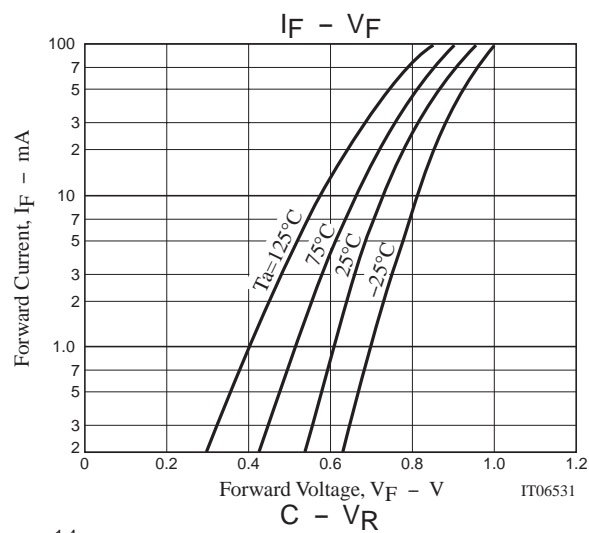
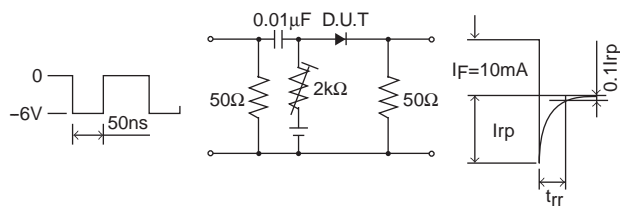
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O2203 TS IM TA-100927 / 53098 HA (KT) / 42294 MO (KOTO) / AX-9231 No.4705-1/3

t_{rr} Test Circuit



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