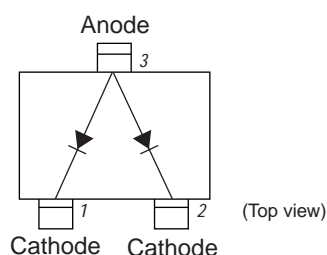


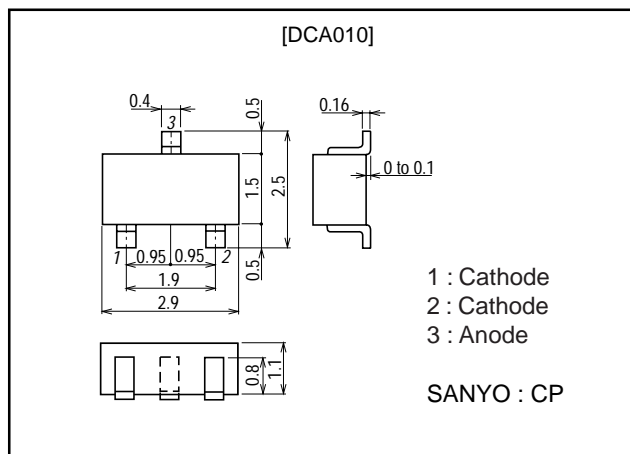
SANYO**Very High-Speed Switching Diode****Features**

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

Electrical Connection**Package Dimensions**

unit : mm

1117B

**Specifications****Absolute Maximum Ratings** at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V _{RM}		85	V
Reverse Voltage	V _R		80	V
Peak Forward Current	I _{FM}	Unit rating	300	mA
		Total rating	450	mA
Average Rectified Current	I _O	Unit rating	100	mA
		Total rating	150	mA
Surge Current (1μs)	I _{FSM}	Unit rating	4	A
		Total rating	6	A
Allowable Power Dissipation	P		200	mW
Junction Temperature	T _j		125	°C
Storage Temperature	T _{stg}		-55 to +125	°C

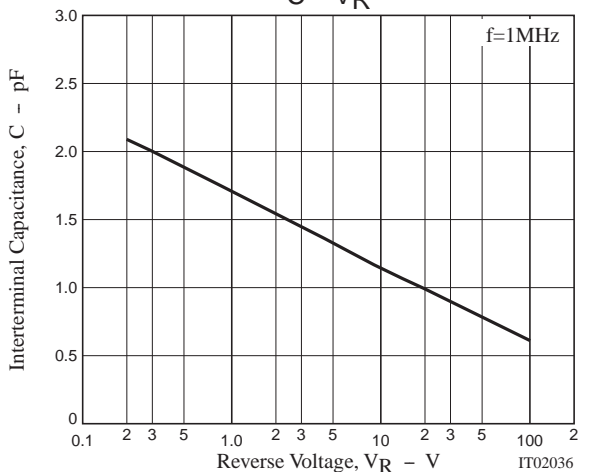
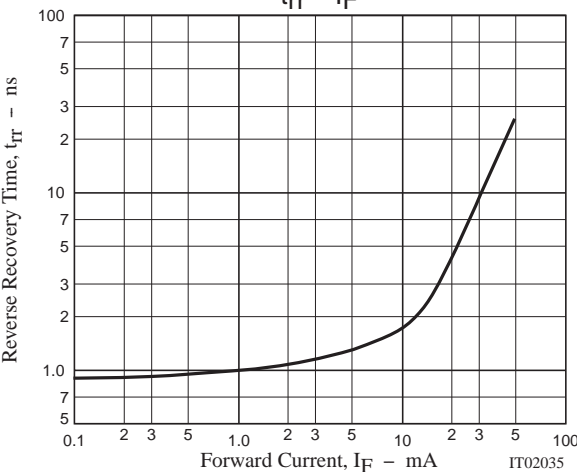
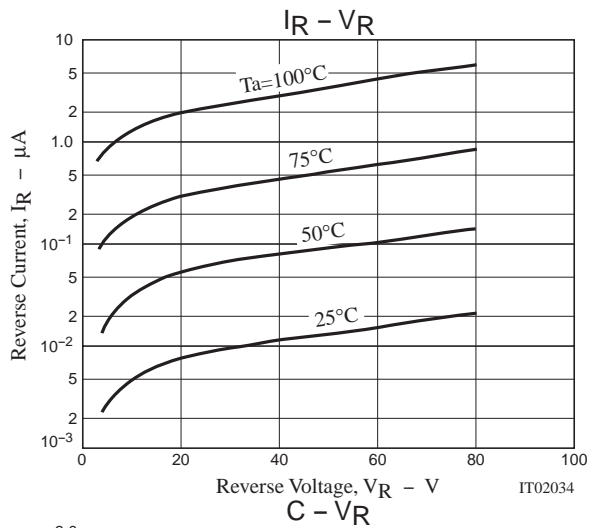
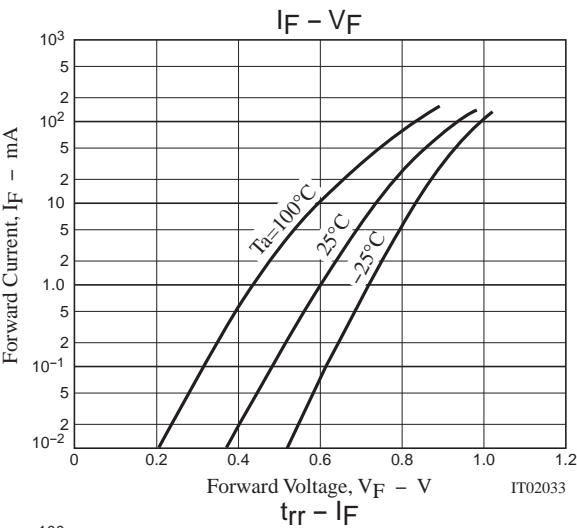
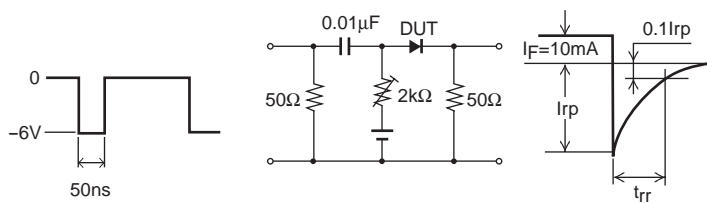
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Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	min	typ	max	Unit
Forward Voltage	VF1	IF=1mA		0.61		V
	VF2	IF=10mA		0.74		V
	VF3	IF=100mA			1.20	V
Reverse Current	IR1	VR=30V			0.1	μA
	IR2	VR=80V			0.5	μA
Interterminal Capacitance	C	VR=0, f=1MHz			4.0	pF
Reverse Recovery Time	trr	IF=10mA, VR=6V, RL=50Ω, IRR=0.1IRp			4.0	ns

Marking : W5

Reverse Recovery Time Test Circuit



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