

**DWA010****Ultrahigh-Speed Switching Diode****Features**

- Ideally suited for use in hybrid ICs because of ultrasmall package.
- High switching speed.
- Small interterminal capacitance.

Absolute Maximum Ratings at Ta=25°C

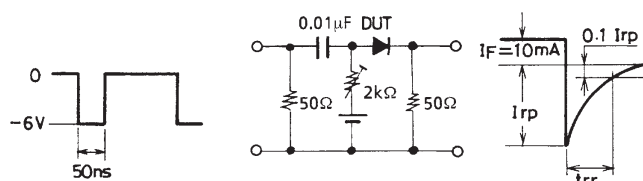
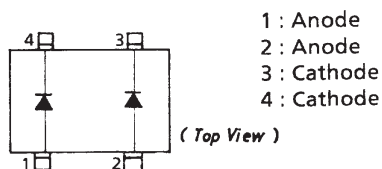
			unit
Peak Reverse Voltage	V_{RM}	85	V
Reverse Voltage	V_R	80	V
Peak Forward Current	I_{FM}	300	mA
	I_{FM} *	450	mA
Average Rectified Current	I_o	100	mA
	I_o *	150	mA
Surge Forward Current	I_{FSM} 1μs	4	A
	I_{FSM} *	6	A
Allowable Power Dissipation	P	200	mW
Junction Temperature	Tj	125	°C
Storage Temperature	Tstg	-55 to +125	°C

* : Total value

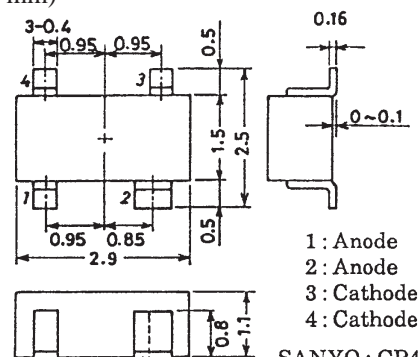
Electrical Characteristics at Ta=25°C

			min	typ	max	unit
Forward Voltage	V_{F1}	$I_F=1mA$		0.61		V
	V_{F2}	$I_F=10mA$		0.74		V
	V_{F3}	$I_F=100mA$			1.20	V
Reverse Current	I_{R1}	$V_R=30V$			0.1	μA
	I_{R2}	$V_R=80V$			0.5	μA
Interterminal Capacitance	C	$V_R=0V, f=1MHz$			2.0	pF
Reverse Recovery Time	trr	$I_F=10mA, V_R=6V, R_L=50\Omega, I_{rr}=0.1I_{rp}$			4.0	ns

Marking : W8

Reverse Recovery Time Test Circuit**Electrical Connection****Package Dimensions** 1164A

(unit : mm)

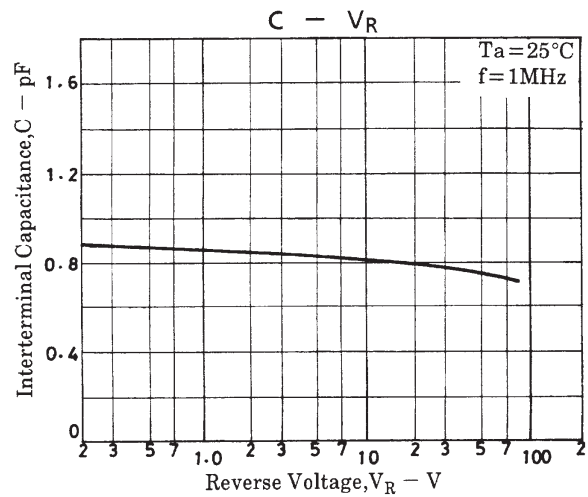
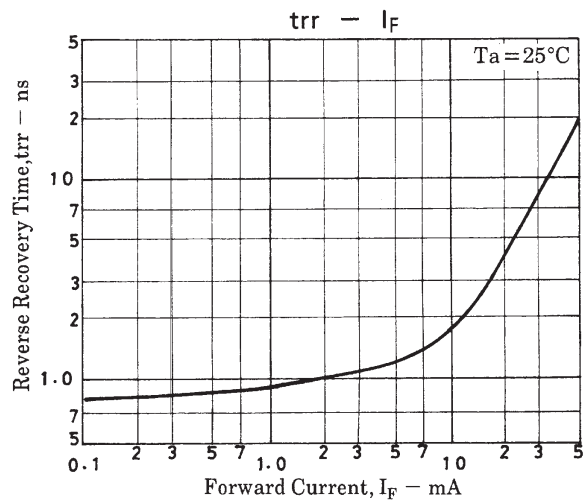
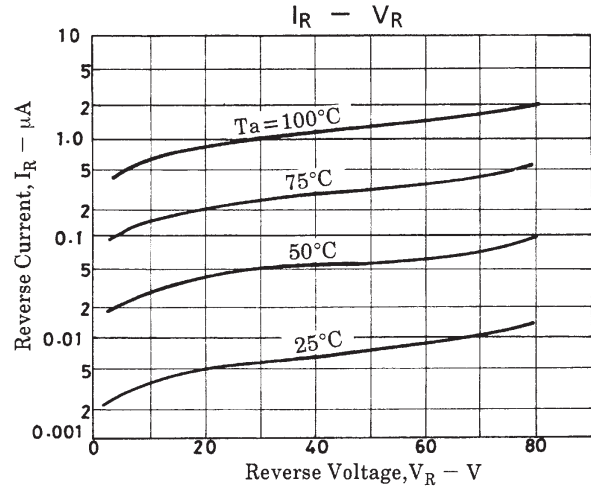
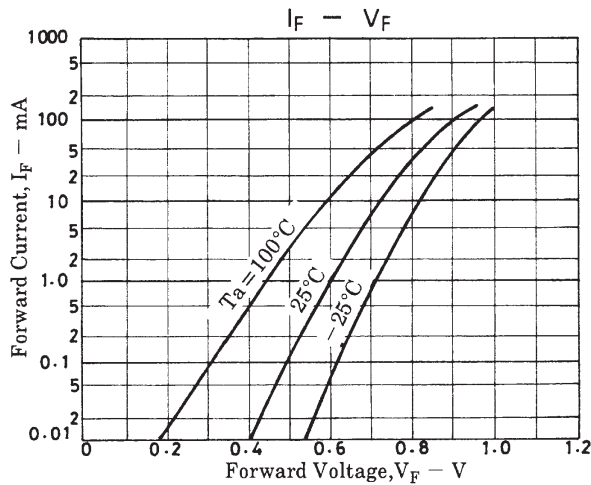


SANYO : CP4

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