

DWA010

Ultrahigh-Speed Switching Diode

Features

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

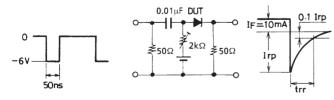
Absolute Maximum Ratin	gs at Ta=25°C			unit
Peak Reverse Voltage	v_{RM}		85	V
Reverse Voltage	$V_{\mathbf{R}}$		80	V
Peak Forward Current	I_{FM}		300	mA
	I _{FM} *		450	mA
Average Rectified Current	Io		100	mA
	Io *		150	mA
Surge Forward Current	IFSM	1µs	4	A
	IFSM *		6	A
Allowable Power Dissipation	P		200	mW
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to $+125$	°C
	* : Total value	;		

Electrical Characteristics at Ta=25°C

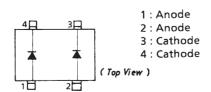
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	Forward Voltage	v_{F1}	I _F =1mA		0.61		V
		V_{F2}	I _F =10mA		0.74		V
		V_{F3}	I _F =100mA			1.20	V
	Reverse Current	I_{R1}	$V_R=30V$			0.1	μΑ
		I_{R2}	$V_R=80V$			0.5	μΑ
	Interterminal Capacitance	C	$V_R=0V$, $f=1MHz$			2.0	pF
	Reverse Recovery Time	trr	$I_F=10mA$, $V_R=6V$, $R_L=50\Omega$, $I_{rr}=0.11$	Irp		4.0	ns

Marking: W8

Reverse Recovery Time Test Circuit



Electrical Connection

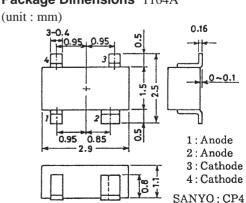


Package Dimensions 1164A

min

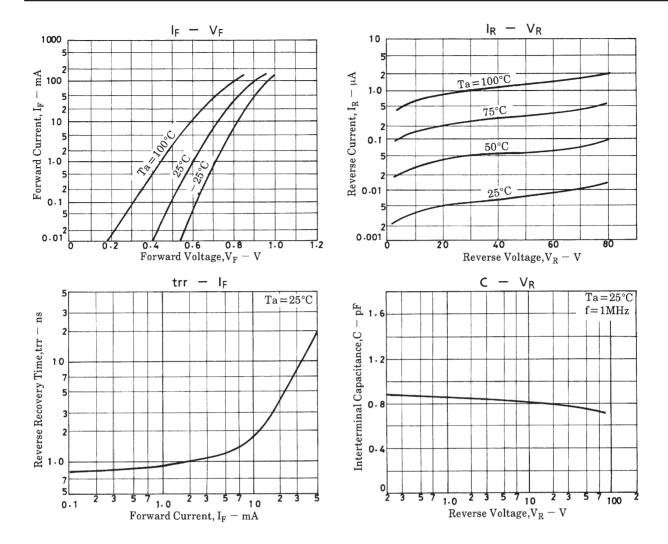
tvn

max



unit

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