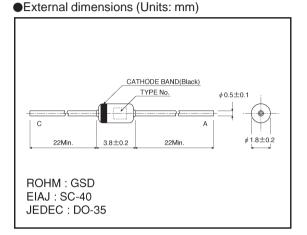
High-speed switching diode 1N4148 / 1N4150 / 1N4448 / 1N914B

*This product is available only outside of Japan.

•JEDEC Standard Product

The following 1N series diodes are available to support the JEDEC standard.



• Absolute maximum ratings (Ta = 25° C)

Туре	V _{RM} (V)	V _R (V)	I⊧м (mA)	lo (mA)	l⊧ (mA)	І _{FSM} 1 μs (A)	P (mW)	Tj (℃)	Topr (℃)	Tstg (℃)
1N4148	100	75	450	150	200	2	500	200	-65~+200	-65~+200
1N4150	50	50	600	200	250	4	500	200	-65~+200	-65~+200
1N4448 (1N914B)	100	75	450	150	200	2	500	200	-65~+200	-65~+200

Electrical characteristics (Ta = 25°C)

	VF (V)											BV (V) Min.		IR (μ A) Max.				Cr (pF)	trr (ns)	
Туре	@ 0.1mA	@ 0.25mA	@ 1mA	@ 2mA	@ 5mA	@ 10mA	@ 20mA	@ 30mA	@ 50mA	@ 100mA	@ 200mA	@ 250mA	@ 5μA	@ 100 μ A	@2	5°C Vr (V)	@1		V _R =0 f=1MHz	VR=6V IF=10mA RL=100Ω
1N4148													75	100	0.025	20	50.0	20	4	4
						1.0							75	100	5.0	75	50.0	20	4	4
1N4150			0.54			0.66 0.74			0.76 0.86		0.87		_	50	0.1	50	100.0	50	2.5	4
1N4448 (1N914B)				0.62			1 /					_	100	0.025	20	50.0	20	4	4	
					/ 0.72					1.0				100	5.0	75	50.0	20	4	4

The upper figure is the minimum VF

F value.

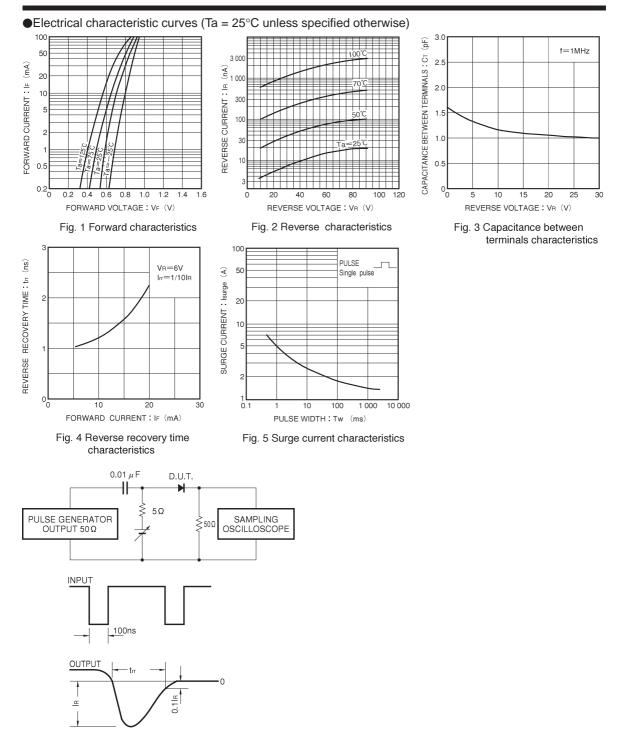


Fig. 6 Reverse recovery time (trr) measurement circuit

