



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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MA27P01

Silicon epitaxial planar type

For high frequency switch

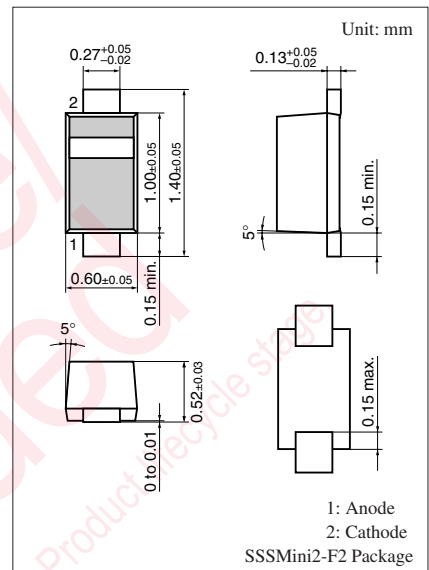
■ Features

- Small terminal capacitance C_t
- Small forward dynamic resistance r_f
- Ultraminiature package and surface mounting type
1.0 mm × 0.6 mm (height: 0.52 mm)

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	60	V
Forward current	I_F	100	mA
Power dissipation *	P_D	150	mW
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

Note) *: With a glass epoxy PC board



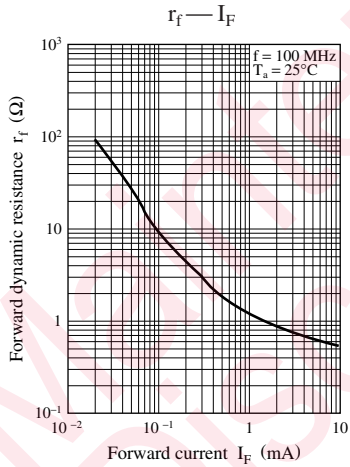
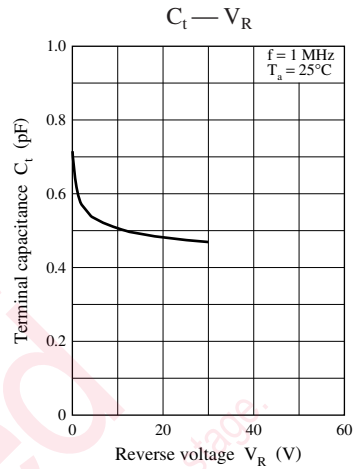
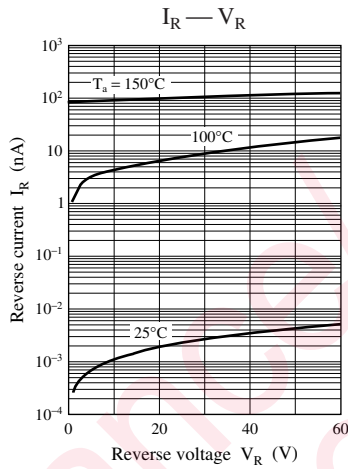
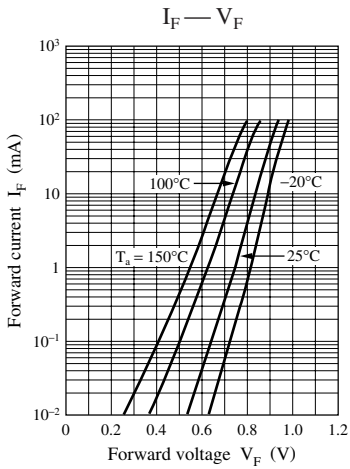
Marking Symbol: N

■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 10 \text{ mA}$			1.0	V
Reverse current	I_R	$V_R = 60 \text{ V}$			100	nA
Terminal capacitance	C_t	$V_R = 1 \text{ V}, f = 1 \text{ MHz}$			0.8	pF
Forward dynamic resistance *	r_f	$I_F = 10 \text{ mA}, f = 100 \text{ MHz}$			1.0	Ω

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. *: r_f measurement device ; agilent model 4291B



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