Unit: mm

0.7±0.1

425)

ġ

0.16+0.1

MA4Z713 (MA4S713)

Silicon epitaxial planar type

For switching

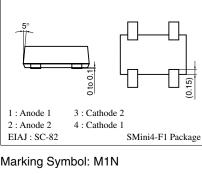
For wave detection

Features

- Two isolated elements are contained in one package, allowing high-density mounting
- Low forward voltage V_F, optimum for low voltage rectification
- Optimum for high frequency rectification because of its short reverse recovery time (t_{rr})
- S-Mini type 4-pin package

r	Symbol	Rating	Unit
C)	V _R	30	V
e	V _{RM}	30	V
Single	I _{FM}	150	mA
Double *		110	
Single	I_F	30	mA
Double *		20	
re	Tj	125	°C
e	T _{stg}	-55 to +125	°C
	C) e Single Double * Single Double * e	C) V_R e V_{RM} Single I_{FM} Double * Double * re T_j	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

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



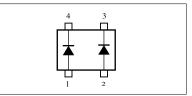
1.25±0.1 2.1±0.1

Internal Connection

2.1±0.1

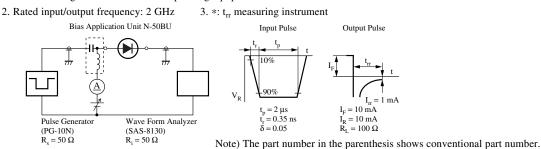
1.3±0.1

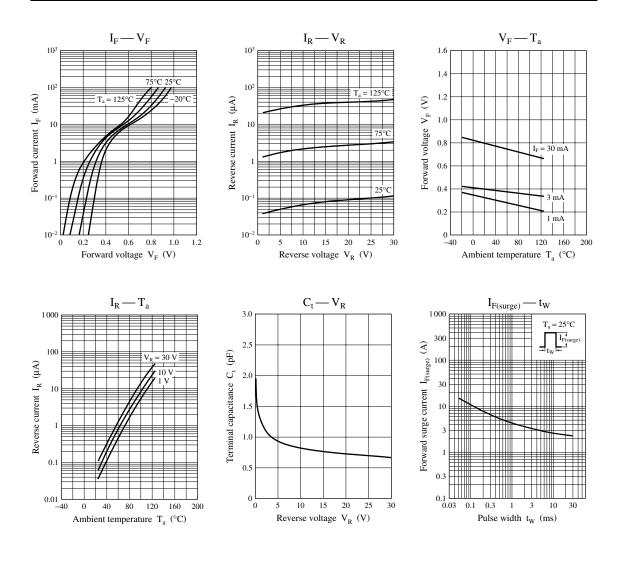
0.3±0.05



Electrical Characteristics $T_a = 25^{\circ}C$ Symbol Conditions Parameter Min Unit Тур Max $V_{R} = 30 V$ Reverse current (DC) 1 IR μΑ Forward voltage (DC) V_{F1} $I_F = 1 \text{ mA}$ 0.4 V $I_F = 30 \text{ mA}$ V_{F2} 1 $V_R = 1 V, f = 1 MHz$ Terminal capacitance C_t 1.5 pF $I_F = I_R = 10 \text{ mA}$ Reverse recovery time * 1 t_{rr} ns $I_{rr} = 1 \text{ mA}, R_L = 100 \Omega$ $V_{in} = 3 V_{(peak)}$, f = 30 MHz Detection efficiency 65 % η $R_L = 3.9 \text{ k}\Omega, C_L = 10 \text{ pF}$

Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.





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