MA6X125 (MA125)

Silicon epitaxial planar type

For switching circuits

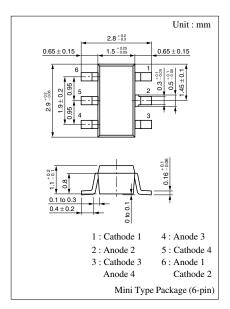
■ Features

 Four-element contained in one package, allowing high-density mounting

■ Absolute Maximum Ratings $T_a = 25$ °C

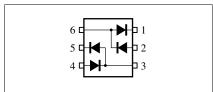
Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	40	V
Peak reverse voltage	V_{RM}	40	V
Forward current (DC)*	I_F	100	mA
Peak forward current*	I_{FM}	200	mA
Junction temperature	T _j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

Note) *1: Value for single diode



Marking Symbol: M2I

Internal Connection



■ Electrical Characteristics $T_a = 25$ °C

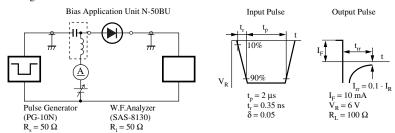
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 40 \text{ V}$			100	nA
Forward voltage (DC)	V _F	$I_F = 100 \text{ mA}$			1.2	V
Reverse voltage (DC)	V _R	$I_R = 100 \mu A$	40			V
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$			5	pF
Reverse recovery time*3	t _{rr1} *1	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}$		150		ns
	t _{rr2} *2	$I_{rr} = 0.1 \cdot I_R, R_L = 100 \ \Omega$		90		

Note) 1. Rated input/output frequency: 100 MHz

2. *1: Between pins 1 and 6, Between pins 3 and 5

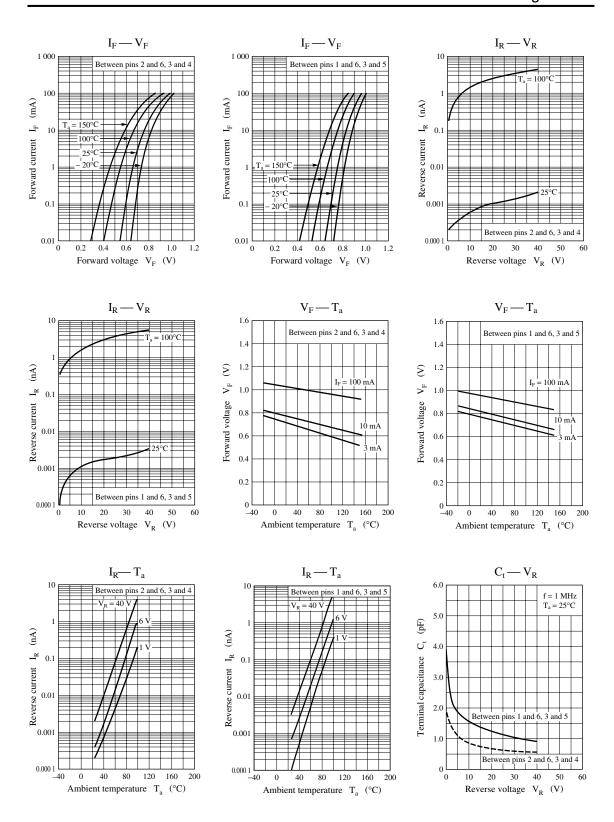
*2 : Between pins 2 and 6, Between pins 3 and 4

*3: t_{rr} measuring circuit

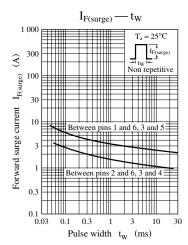


Note) The part number in the parenthesis shows conventional part number.

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