MA3X788 (MA788)

Silicon epitaxial planar type

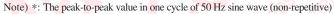
For super high speed switching For small current rectification

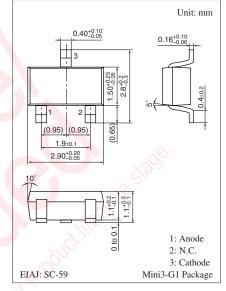
Features

- Forward current (Average) $I_{F(AV)} = 200$ mA rectification is possible
- Reverse voltage $V_R = 60$ V is guaranteed

g - a						
Parameter	Symbol	Rating	Unit			
Reverse voltage	V _R	60	V			
Repetitive peak reverse voltage	V _{RRM}	60	v			
Peak forward current	I _{FM}	300	mA			
Forward current (Average)	I _{F(AV)}	200	mA			
Non-repetitive peak forward	I _{FSM}	1	А			
surge current *						
Junction temperature	Tj	125	°C			
Storage temperature	T _{stg}	-55 to +125	°C			

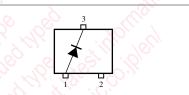
Absolute Maximum Ratings $T_a = 25^{\circ}C$





Marking Symbol: M3V

Internal Connection

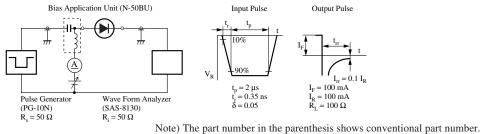


Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

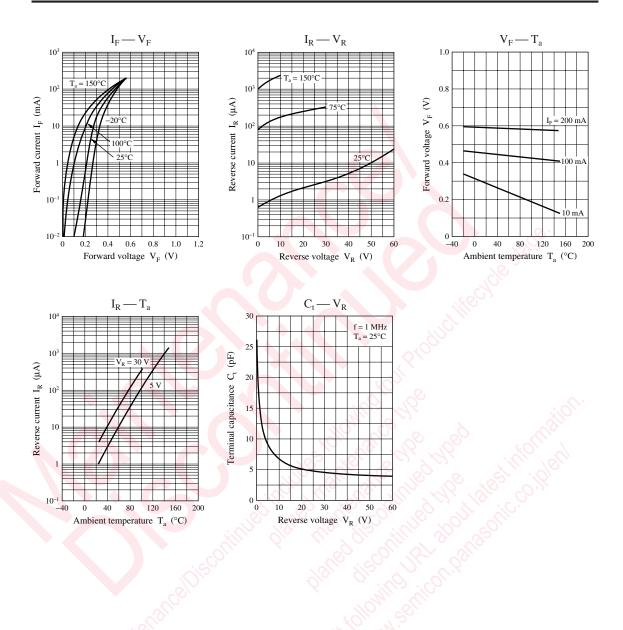
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	I _F = 200 mA	$\sim 2^{\circ}$		0.65	V
Reverse current	I _R	$V_R = 50 V$			50	μΑ
Terminal capacitance	Ct	$V_{R} = 0 V, f = 1 MHz$		30		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		3.0		ns
		$I_{rr} = 0.1 I_R, R_L = 100 \Omega$				

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

- 2. 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.
- 3. Absolute frequency of input and output is 1 GHz.
- 4. *: trr measurement circuit



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