Unit : mm

MA3Z792 (MA792)

Silicon epitaxial planar type

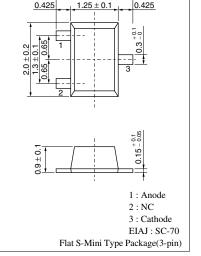
For super-high speed switching circuit For small current rectification

Features

- S-mini type 3-pin package, allowing high-density mounting
- Allowing to rectify under $(I_{F(AV)} = 100 \text{ mA})$ condition
- Optimum for high-frequency rectification because of its short reverse recovery time (t_{rr})
- Low V_F (forward rise voltage), with high rectification efficiency

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V _R	30	V
Repetitive peak reverse voltage	V _{RRM}	30	V
Peak forward current	I _{FM}	300	mA
Average forward current	I _{F(AV)}	100	mA
Non-repetitive peak forward surge current*	I _{FSM}	1	А
Junction temperature	Tj	125	°C
Storage temperature	T _{stg}	-55 to +125	°C

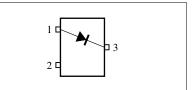
Absolute Maximum Ratings $T_a = 25^{\circ}C$



 2.1 ± 0.1

Marking Symbol: M3T

Internal Connection



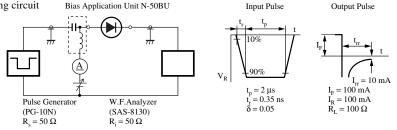
: The peak-to-peak value in one cycle of 50 Hz sine-wave Note) * (non-repetitive)

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

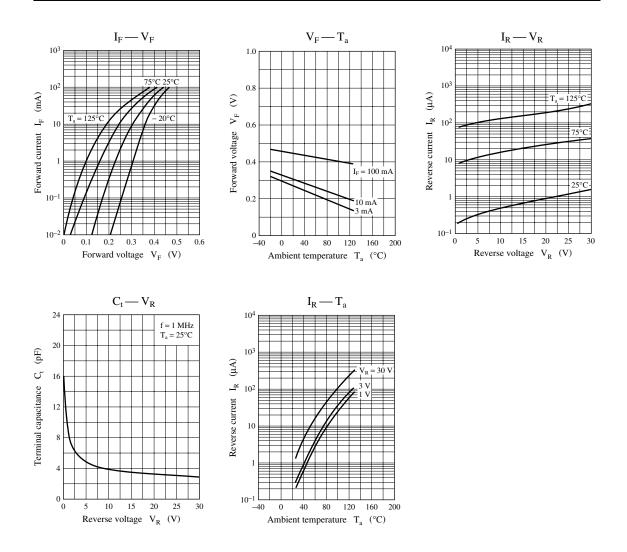
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 30 V$			15	μA
Forward voltage (DC)	V _F	$I_F = 100 \text{ mA}$			0.55	V
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		20		pF
Reverse recovery time*	t _{rr}	$I_F = I_R = 100 \text{ mA}$		2.0		ns
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

Note) 1. Schottky barrier diode 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.

- 2. Rated input/output frequency: 250 MHz
- 3. *: trr measuring circuit Bias Application Unit N-50BU



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





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