MA3Z793 (MA793)

Silicon epitaxial planar type

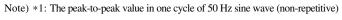
For super high speed switching For small current rectification

■ Features

- Two MA3Z792 (MA792) is contained in one package (series connection)
- $I_{F(AV)} = 100$ mA rectification is possible
- Optimum for high frequency rectification because of its short reverse recovery time (t_{rr})
- Low forward voltage V_F and good rectification efficiency
- S-Mini type 3-pin package

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter		Symbol	Rating	Unit
Reverse voltage (DC)		V_R	30	V
Repetitive peak reverse-voltage		V_{RRM}	30	V
Peak forward	Single	I_{FM}	300	mA
current	Series *2		200	
Average forward	Single	I _{F(AV)}	100	mA
current	Series *2		70	
Non-repetitive peak forward- surge-current *1		I_{FSM}	1	A
Junction temperature		T _j	125	°C
Storage temperature		T_{stg}	-55 to +125	°C

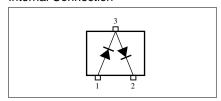


*2: Value per chip

Unit: mm 0.15^{+0.1} 0.05 0.05 0.05 0.09±0.1 1: Anode 1 2: Cathode 2 3: Cathode 1 Anode 2 SMini3-F1 Package

Marking Symbol: M4A

Internal Connection

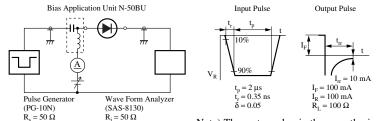


■ Electrical Characteristics $T_a = 25$ °C

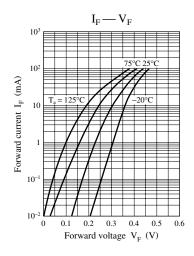
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 30 \text{ V}$			15	μΑ
Forward voltage (DC)	V _F	I _F = 100 mA			0.55	V
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$		20		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		2		ns
		$I_{rr} = 10 \text{ mA}, R_{L} = 100 \Omega$				

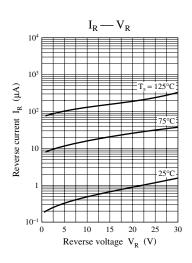
Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

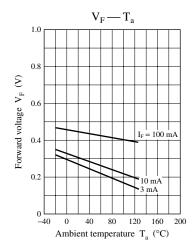
2. Rated input/output frequency: 250 MHz 3. *: t_{rr} measuring instrument

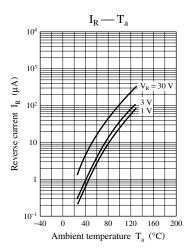


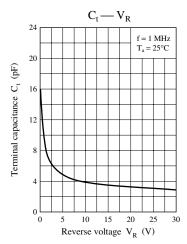
Note) The part number in the parenthesis shows conventional part number.











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