MA3Z793 (MA793)

Silicon epitaxial planar type

For super high speed switching

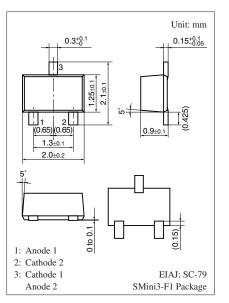
For small current rectification

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

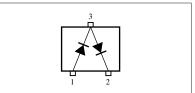
Parameter		Symbol	Rating	Unit			
Reverse voltage		V _R	30	V			
Repetitive peak reverse voltage		V _{RRM}	30	V			
Forward current	Single	$I_{\rm F}$	100	mA			
	Series		70				
Peak forward	Single	I _{FM}	300	mA			
current	Series		200				
Non-repetitive peak forward surge current *		I _{FSM}	1	А			
Junction temperature		Tj	125	°C			
Storage temperature		T _{stg}	-55 to +125	°C			

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



Marking Symbol: M4A

Internal Connection



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

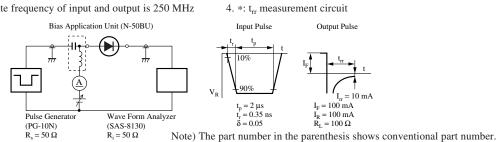
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	I _F = 100 mA			0.55	V
Reverse current	I _R	$V_R = 30 V$			15	μΑ
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
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

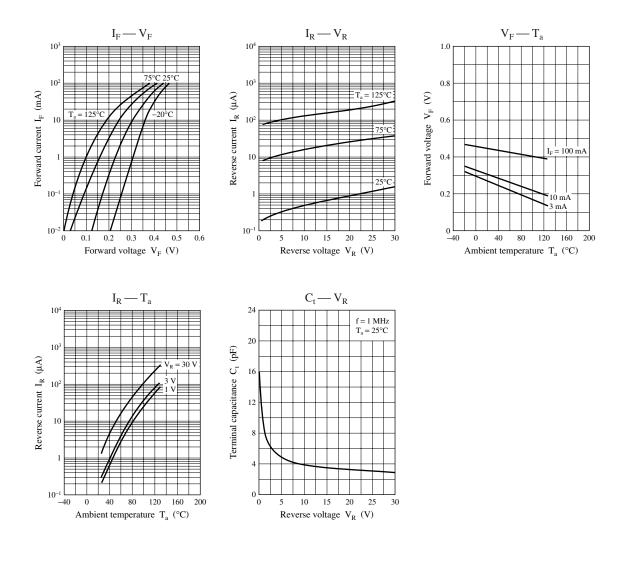
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

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 250 MHz



Panasonic



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