

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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MA3Z7930G

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

Package

- Code
 - SMini3-F2
- Pin Name
 - 1: Anode 1
 - 2: Cathode 2
 - 3: Cathode 1
 - Anode 2

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter		Symbol	Rating	Unit
Reverse voltage		V_R	30	V
Repetitive peak reverse voltage		V _{RRM}	30	V
Forward current	Single	I_{F}	100	mA
	Series		70	
Peak forward	Single	I _{FM}	300	mA
current	Series		200	10
Non-repetitive peak forward		I_{FSM}	1	A
surge current *				762 ×6
Junction temperature		T_{j}	125	°C
Storage temperature		$T_{\rm stg}$	-55 to +125	°C

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

Marking Symbol: M4A

Internal Connection

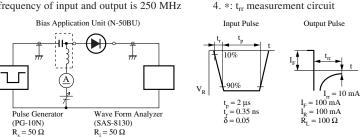


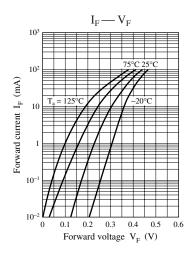
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

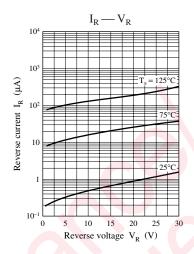
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F}	$I_F = 100 \text{ mA}$) `		0.55	V
Reverse current	I_R	V _R = 30 V			15	μΑ
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$		20		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		2.0		ns
		$I_{rr} = 10 \text{ mA}, R_L =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

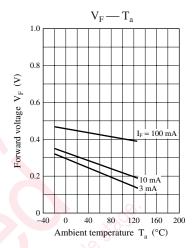
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

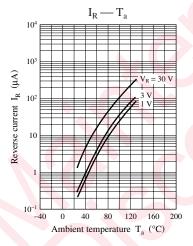
- 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
- 3. Absolute frequency of input and output is 250 MHz

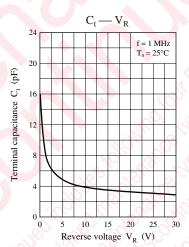






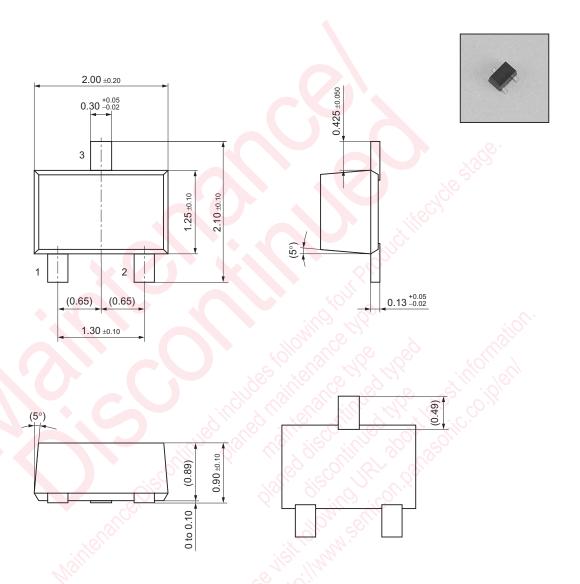






2 SKH00217AED

SMini3-F2 Unit: mm



SKH00217AED 3

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