MA3S795 (MA795)

Silicon epitaxial planar type

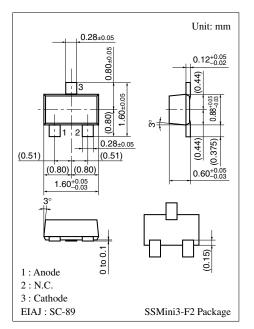
For switching

Features

- High-density mounting is possible
- \bullet Low forward voltage $V_{\rm F}$, optimum for low voltage rectification
- Low V_F type of MA3X704A (MA704A)
- Optimum for high frequency rectification because of its short reverse recovery time (t_{rr})
- SS-Mini type 3-pin package

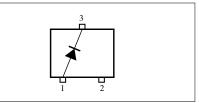
Unit
V
V
mA
mA
°C
°C

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



Marking Symbol: M2M

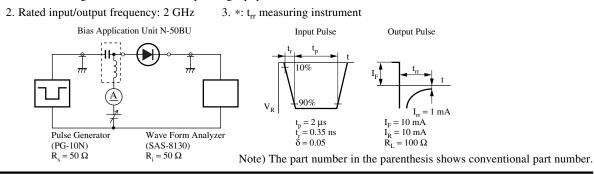
Internal Connection



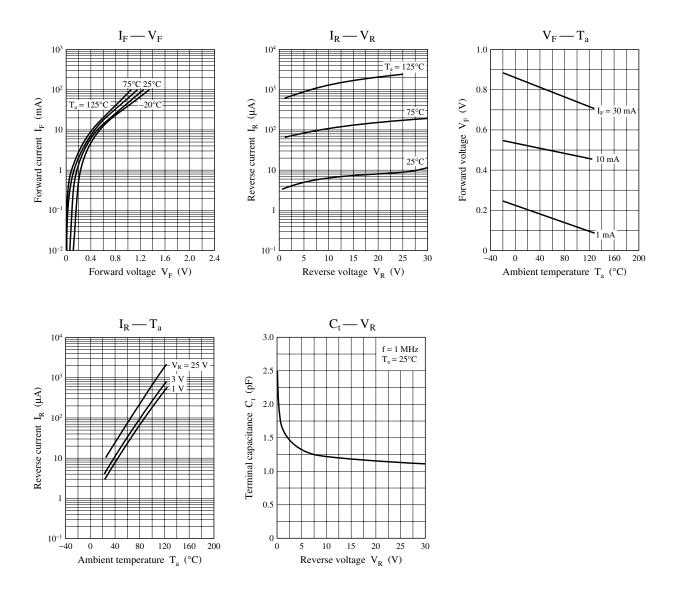
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_{R} = 30 V$			30	μΑ
Forward voltage (DC)	V _{F1}	$I_F = 1 \text{ mA}$			0.3	V
	V _{F2}	$I_F = 30 \text{ mA}$			1	
Terminal capacitance	Ct	V _R = 1 V, f = 1 MHz		1.5		pF
Reverse recovery time *	t _{rr}	$I_{\rm F} = I_{\rm R} = 10 \text{ mA}$ $I_{\rm rr} = 1 \text{ mA}, $		1		ns
Detection efficiency	η	$\begin{split} V_{in} &= 3 \ V_{(peak)} \ , \ f = 30 \ MHz \\ R_L &= 3.9 \ k\Omega , \ C_L = 10 \ pF \end{split}$		65		%

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

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.



Publication date: August 2001



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