Panasonic

MA3S795D (MA795WA), MA3S795E (MA795WK)

Silicon epitaxial planar type

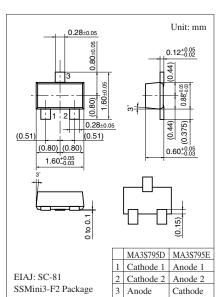
For switching

Features

- High-density mounting is possible
- \bullet Forward voltage $V_{\rm F}$, optimum for low voltage rectification: $V_{\rm F} < 0.3~V$
- Optimum for high frequency rectification because of its short reverse recovery time t_{rr}

Parameter		Symbol	Rating	Unit		
Reverse voltage		V _R	30	V		
Maximum peak reverse voltage		V _{RM}	30	V		
Peak forward current	Single	I _{FM}	150	mA		
	Double		110			
Forward current	Single	I _F	30	30 mA		
	Double		20			
Junction temperature		Tj	125	°C		
Storage temperature		T _{stg}	-55 to +125	°C		

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



Marking Symbol • MA3S795D: M3E • MA3S795E: M3D

Internal Connection



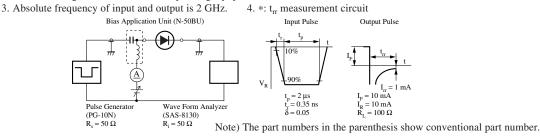


Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parame	eter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage		V_{F1}	$I_F = 1 \text{ mA}$			0.3	V
		V _{F2}	$I_F = 30 \text{ mA}$			1.0	
Reverse current	MA3S795D	I _R	$V_R = 30 V$			30	μΑ
	MA3S795E		$V_R = 30 V$			50	
Terminal capacitance	e	Ct	$V_R = 1 V, f = 1 MHz$		1.5		pF
Reverse recovery tin	ne *	t _{rr}	$I_F = I_R = 10 \text{ mA}$		1.0		ns
			$I_{rr} = 1 \text{ mA}, R_L = 100 \Omega$				
Detection efficiency	T	η	$V_{IN} = 3 V_{(peak)}$, f = 30 MHz		65		%
			$R_L = 3.9 \text{ k}\Omega, C_L = 10 \text{ pF}$				

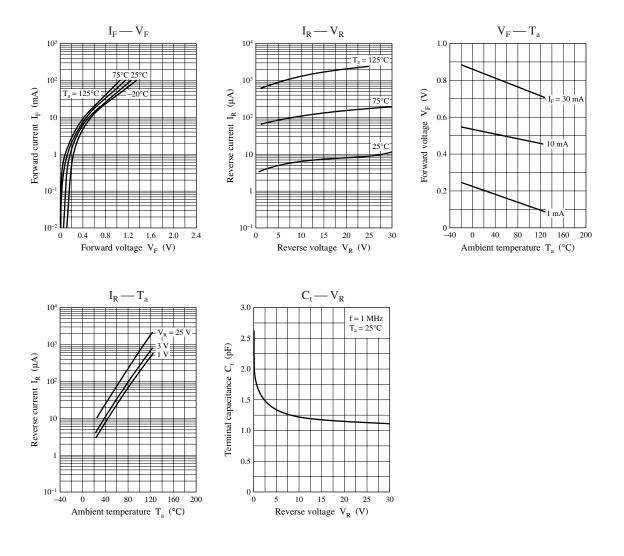
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

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.



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