MA3SE01

Silicon epitaxial planar type

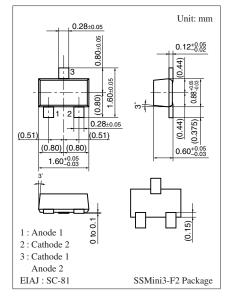
For cellular phone

Features

- High-frequency wave detection is possible
- Low forward voltage V_F
- Small junction-capacitance

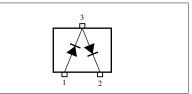
	Symbol V _R	Rating	Unit
	V-		
Reverse voltage		20	V
Maximum peak reverse voltage		20	V
Single	$I_{\rm F}$	35	mA
Series		25	
Single	I_{FM}	100	mA
Series		70	
Junction temperature		125	°C
Storage temperature		-55 to +125	°C
	Single Series Single Series		$\begin{tabular}{ c c c c c c } \hline V_{RM} & \hline & \\ \hline Single & I_F & & \hline & Series & & \hline & \hline & & \hline & \hline & & \hline \\ \hline & \hline &$

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



Marking Symbol: M6A

Internal Connection



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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _{F1}	$I_F = 1 \text{ mA}$			0.41	V
	V _{F2}	$I_F = 35 \text{ mA}$			1.0	V
Reverse current	I _R	$V_R = 15 V$			200	nA
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$			1.2	pF
Dynamic resistance	R _d	$I_F = 5 \text{ mA}$		40		Ω

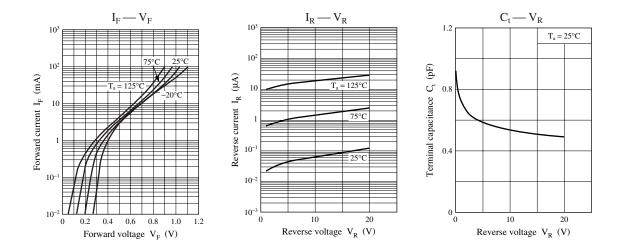
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

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 2 GHz

MA3SE01





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