MA3SE01

Silicon epitaxial planar type

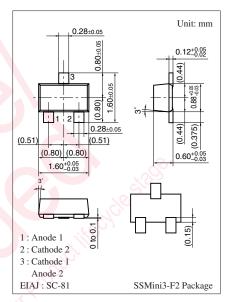
For cellular phone

■ Features

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

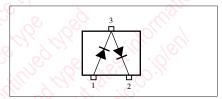
■ Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter		Symbol	Rating	Unit	
Reverse voltage		V_R	20	V	
Maximum peak reverse voltage		V_{RM}	20	V	
Forward current	Single	I_{F}	35	mA	
	Series		25		
Peak forward current	Single	I_{FM}	100	mA	
	Series		70		
Junction temperature		T _j	125	°C	
Storage temperature		T_{stg}	-55 to +125	°C/O	



Marking Symbol: M6A

Internal Connection

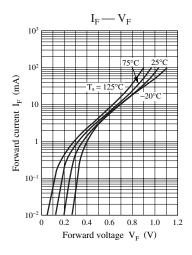


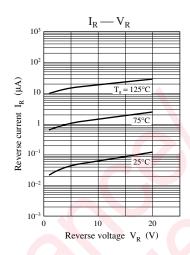
■ Electrical Characteristics $T_a = 25$ °C ± 3°C

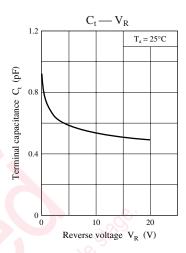
Parameter	Symbol	Conditions	Лin Тур	Max	Unit
Forward voltage	V_{F1}	$I_F = 1 \text{ mA}$	50	0.41	V
	V_{F2}	I _F = 35 mA		1.0	V
Reverse current	I_R	V _R = 15 V		200	nA
Terminal capacitance	C _t	$V_R = 0 \text{ V}, f = 1 \text{ MHz}$		1.2	pF
Dynamic resistance	R _d	I _F = 5 mA	40		Ω

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

- 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







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