

MA3SE02

Silicon epitaxial planar type

For cellular phone

■ Features

- High-frequency wave detection is possible
- Low forward voltage V_F
- Small terminal capacitance C_t
- SS-Mini type 3-pin package

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

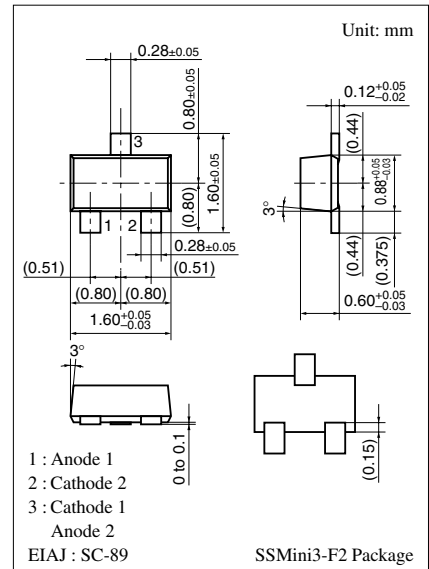
Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	20	V
Peak reverse voltage	V_{RM}	20	V
Forward current (DC)	Single	I_F	mA
	Series		
Peak forward current	Single	I_{FM}	mA
	Series		
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +125	$^\circ\text{C}$

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	$V_R = 15\text{ V}$			200	nA
Forward voltage (DC)	V_{F1}	$I_F = 1\text{ mA}$			0.40	V
	V_{F2}	$I_F = 35\text{ mA}$			1.0	
Terminal capacitance	C_t	$V_R = 0\text{ V}$, $f = 1\text{ MHz}$			1.2	pF
Forward dynamic resistance	r_f	$I_F = 5\text{ mA}$		9		Ω

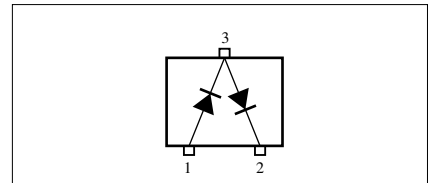
Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

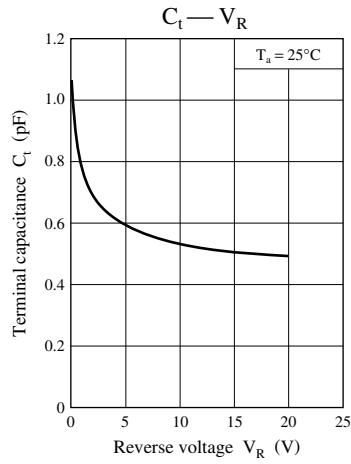
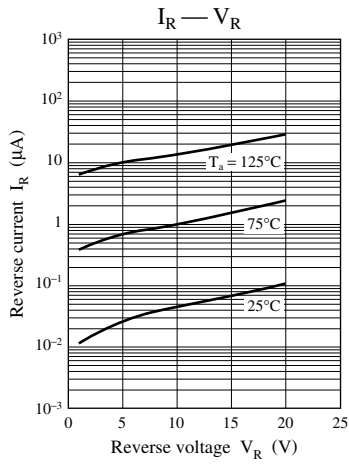
2. Rated input/output frequency: 2 GHz



Marking Symbol: M6B

Internal Connection





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