

# 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 $T_a = 25^\circ\text{C}$

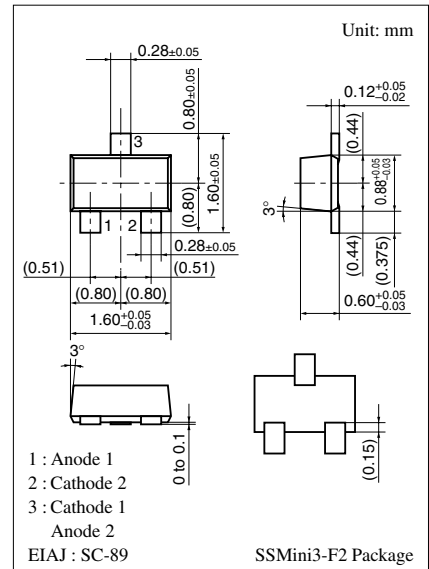
Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	$V_R$	20	V
Peak reverse voltage	$V_{RM}$	20	V
Forward current (DC)	Single	$I_F$	mA
	Series		
Peak forward current	Single	$I_{FM}$	mA
	Series		
Junction temperature	$T_j$	125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 to +125	$^\circ\text{C}$

### ■ 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		$\Omega$

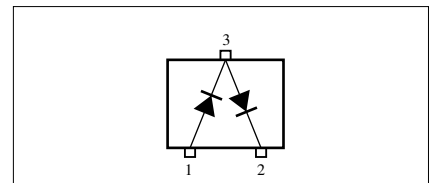
Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

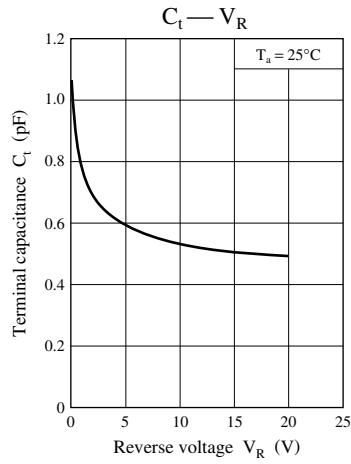
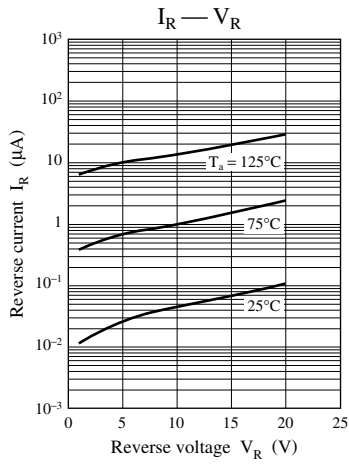
2. Rated input/output frequency: 2 GHz



Marking Symbol: M6B

Internal Connection





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