MA27E02

Silicon epitaxial planar type

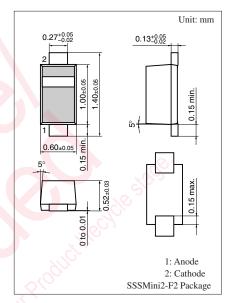
For cellular phone

■ Features

- High-frequency wave detection is possible.
- ullet Low forward voltage V_F
- Small terminal capacitance C_t

■ Absolute Maximum Ratings $T_a = 25$ °C

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

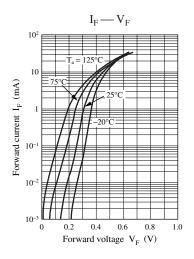


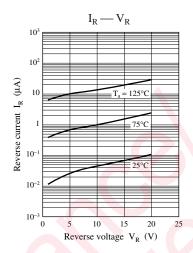
Marking Symbol: G

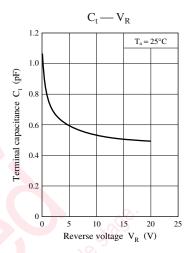
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _{F1}	$I_F = 1 \text{ mA}$		0,	0.40	V
	V_{F2}	$I_F = 35 \text{ mA}$)	1.0	V
Reverse current	I_R	V _R = 15 V	.90		200	nA
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$			1.2	pF
Forward dynamic resistance	$r_{\rm f}$	$I_F = 5 \text{ mA}$		9		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. Rated input/output frequency: 2 GHz







2 SKH00129AED

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