MA27077

Silicon epitaxial planar type

For band switching

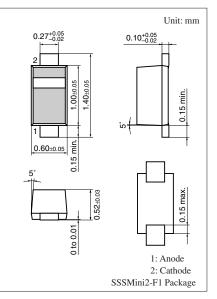
Features

- \bullet Low forward dynamic resistance $r_{\rm f}$
- \bullet Less voltage dependence of diode capacitance $C_{\rm D}$
- SSS-Mini type package, allowing downsizing of equipment and automatic insertion through the taping package

Absolute Maximum Ratings	$T_a = 25^{\circ}C$
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Parameter	Symbol	Rating	Unit
Reverse voltage	V _R	35	V
Forward current	$I_{\rm F}$	100	mA
Operating ambient temperature *	T _{opr}	-25 to +85	°C
Storage temperature	T _{stg}	-55 to +125	°C

Note) *: Maximum ambient temperature during operation.



Marking Symbol: C

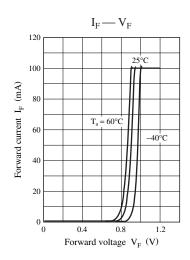
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Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 100 \text{ mA}$		0.92	1.00	V
Reverse current	I _R	$V_R = 33 V$		0.01	100.00	nA
Diode capacitance	C _D	$V_R = 6 V, f = 1 MHz$		0.9	1.2	pF
Forward dynamic resistance *	r _f	$I_F = 2 \text{ mA}, \text{ f} = 100 \text{ MHz}$		0.65	0.85	Ω

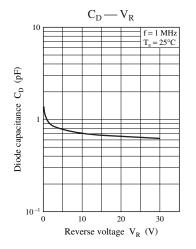
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

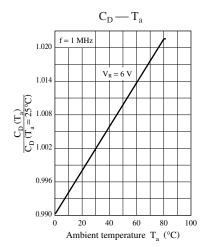
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

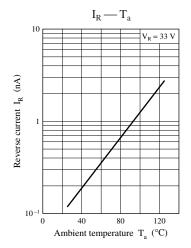
2. Absolute frequency of input and output is 100 MHz.

3. *: Measuring instrument; YHP MODEL 4191A RF IMPEDANCE ANALYZER









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