Band Switching Diodes

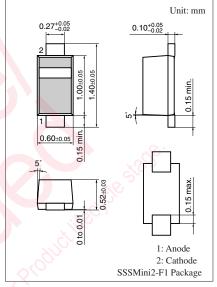
MA27077

Silicon epitaxial planar type

For band switching

Features

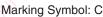
- \bullet Low forward dynamic resistance $r_{\rm f}$
- \bullet Less voltage dependence of diode capacitance $C_{\rm D}$
- SSS-Mini type package, allowing downsizing of equipment and automatic insertion through the taping package



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

Parameter	Symbol	Rating	Unit	
Reverse voltage	VR	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.



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

Parameter	Symbol 👩	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_{\rm F} = 100 {\rm mA}$	85	0.92	1.00	V
Reverse current	I _R	V _R = 33 V	- A	0.01	100.00	nA
Diode capacitance	CD	$V_R = 6 V, f = 1 MHz$	$\sim 0^{\circ}$	0.9	1.2	pF
Forward dynamic resistance *	r _f	I _F = 2 mA, f = 100 MHz)	0.65	0.85	Ω

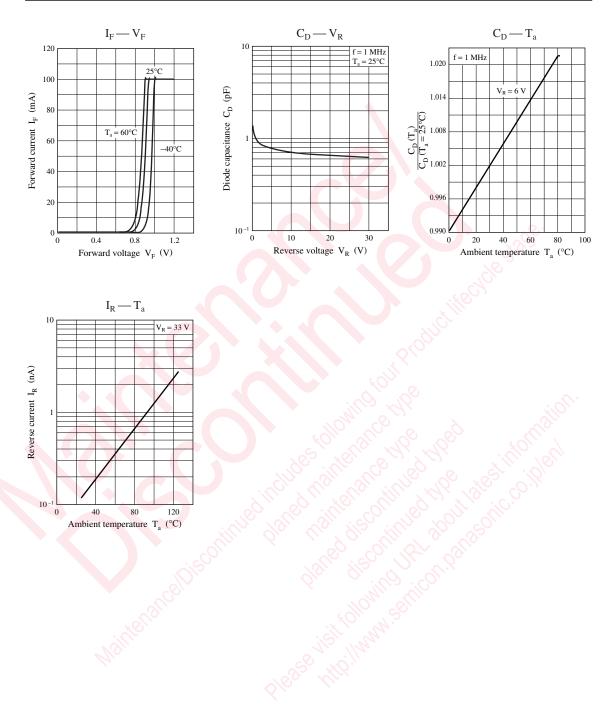
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

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

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

MA27077





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