MA3XD11

Silicon epitaxial planar type

For high frequency rectification

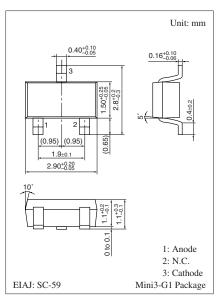
■ Features

- Forward current (Average) $I_{F(AV)} = 1$ A rectification is possible
- ullet Low forward voltage V_F

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

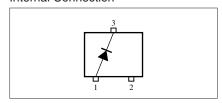
Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	20	V
Repetitive peak reverse voltage	V _{RRM}	25	V
Forward current (Average) *1	I _{F(AV)}	1.0	A
Non-repetitive peak forward surge current *2	I_{FSM}	3	A
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55 to +125	°C

Note) *1: Mounted on an alumina PC board



Marking Symbol: M6K

Internal Connection



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

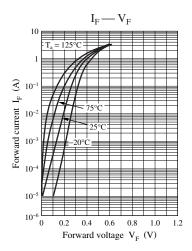
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_F	$I_F = 1.0 A$			0.45	V
Reverse current	I_R	$V_R = 20 \text{ V}$			200	μΑ
Terminal capacitance	C _t	$V_R = 0 \text{ V}, \text{ f} = 1 \text{ MHz}$		180		pF

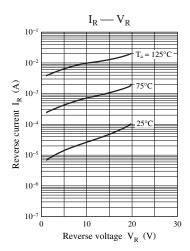
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

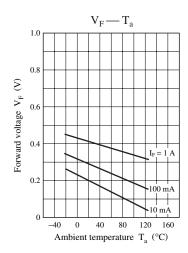
- 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
- 3. Absolute frequency of input and output is 400 MHz.

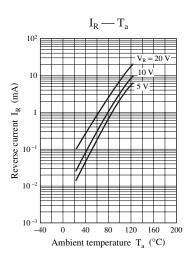
^{*2:} The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

Panasonic









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