MA3XD11

Silicon epitaxial planar type

For high frequency rectification

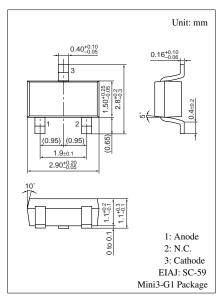
■ Features

- $I_{F(AV)} = 1$ A rectification is possible
- Low forward voltage V_F
- Mini type 3-pin package

■ Absolute Maximum Ratings $T_a = 25$ °C

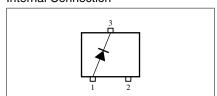
Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	20	V
Repetitive peak reverse-voltage	V_{RRM}	25	V
Average forward current *1	I _{F(AV)}	1	A
Non-repetitive peak forward- surge-current *2	I_{FSM}	3	A
Junction temperature	T_{j}	125	°C
Storage temperature	T_{stg}	-55 to +125	°C

Note) *1: Mounted on a alumina PC board



Marking Symbol: M6K

Internal Connection



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

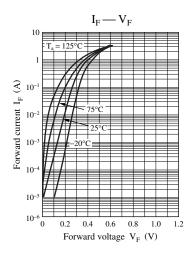
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 20 \text{ V}$			200	μΑ
Forward voltage (DC)	$V_{\rm F}$	$I_F = 1 A$			0.45	V
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$		180		pF

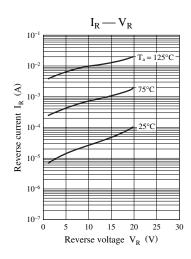
Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

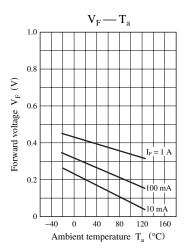
2. Rated input/output frequency: 400 MHz

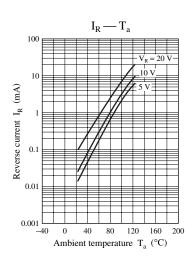
^{*2:} The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

MA3XD11 Panasonic









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