MA3X158 (MA158)

Silicon epitaxial planar type

For small power rectification and surge absorption

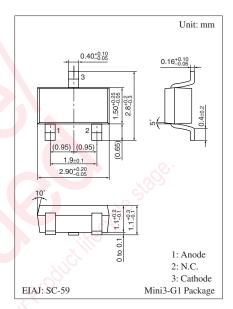
■ Features

- High reverse voltage V_R
- Large forward current (Average) I_{F(AV)}
- Automatic mounting is possible

■ Absolute Maximum Ratings $T_a = 25$ °C

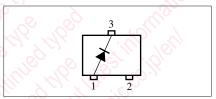
Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	200	V
Repetitive peak reverse voltage	V _{RRM}	250	V
Non-repetitive peak reverse surge voltage	V _{RSM}	300	V
Output current	Io	100	mA
Repetitive peak forward current	I_{FRM}	225	mA
Non-repetitive peak forward surge current*	I_{FSM}	500	mA
Junction temperature	T _j	125	°C/O
Storage temperature	T_{stg}	-55 to +125	°C

Note) *: t = 1 s



Marking Symbol: M1C

Internal Connection

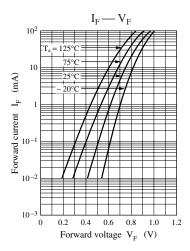


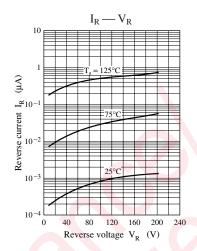
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

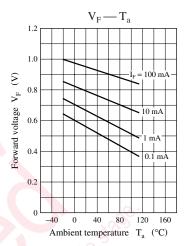
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F}	$I_F = 100 \text{ mA}$	2/1	<i>y</i>	1.3	V
Reverse current	I_R	$V_{R} = 200 \text{ V}$	1.9		1.0	μΑ

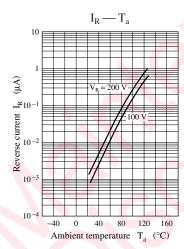
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. Absolute frequency of input and output is 3 MHz.









SKF00039CED

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