

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

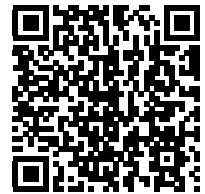
Part Number:	MA3X15800L
Manufacturer:	Panasonic Electronic Components
Package:	TO-236-3, SC-59, SOT-23-3
Availability:	Please confirm with sales

Product Page:

<https://antrexco.com/product/details/panasonic-electronic-components/ma3x15800l.html>

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Contact Information

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Supplier verification and packaging condition review

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Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

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 $T_a = 25^\circ\text{C}$

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	I_O	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	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +125	$^\circ\text{C}$

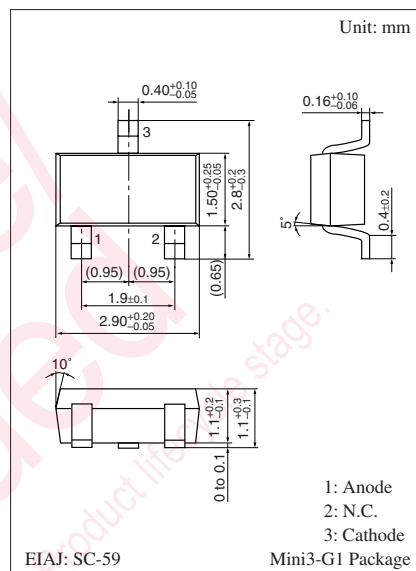
Note) *: $t = 1 \text{ s}$

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 100 \text{ mA}$			1.3	V
Reverse current	I_R	$V_R = 200 \text{ V}$			1.0	μA

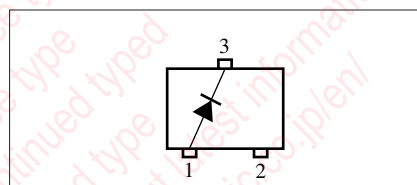
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

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

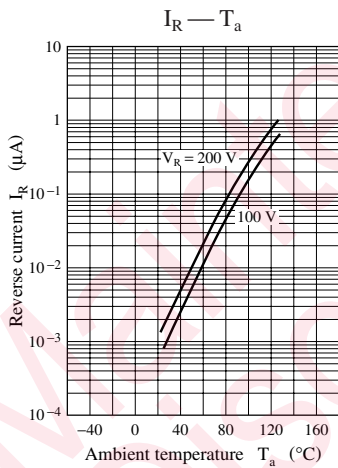
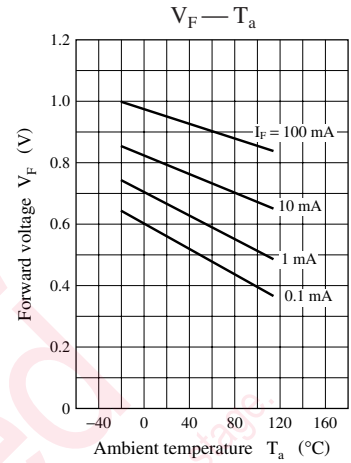
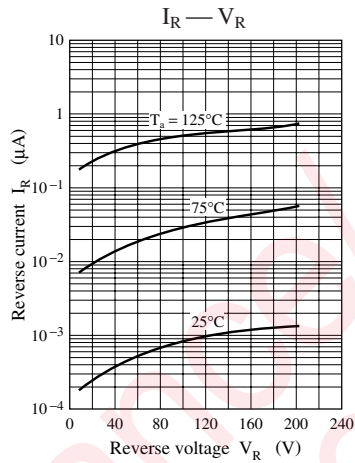
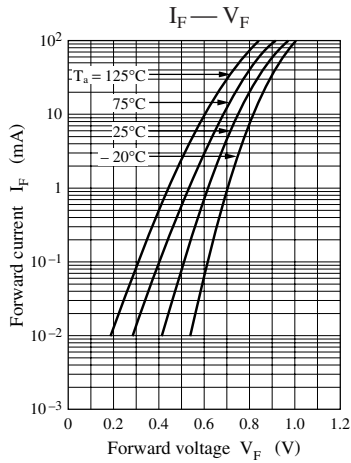


Marking Symbol: M1C

Internal Connection



Note) The part number in the parenthesis shows conventional part number.



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