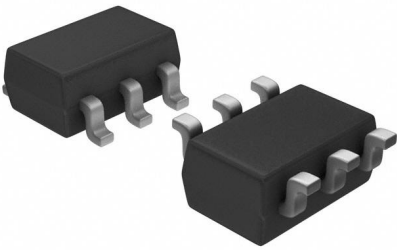


MA6X12900L Datasheet

www.digi-electronics.com



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	MA6X12900L-DG
Manufacturer	Panasonic Electronic Components
Manufacturer Product Number	MA6X12900L
Description	DIODE ARRAY GP 200V 200MA MINI6
Detailed Description	Diode Array 3 Independent 200 V 200mA Surface Mount SOT-23-6

This model MA6X12900L is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

MA6X12900L

Series:

-

Diode Configuration:

3 Independent

Voltage - DC Reverse (Vr) (Max):

200 V

Voltage - Forward (Vf) (Max) @ If:

1.2 V @ 200 mA

Current - Reverse Leakage @ Vr:

200 nA @ 200 V

Mounting Type:

Surface Mount

Supplier Device Package:

MINI6-G1

Manufacturer:

Panasonic Electronic Components

Product Status:

Obsolete

Technology:

Standard

Current - Average Rectified (Io) (per Diode):

200mA

Speed:

Small Signal =< 200mA (Io), Any Speed

Operating Temperature - Junction:

150°C (Max)

Package / Case:

SOT-23-6

Base Product Number:

MA6X129

Environmental & Export classification

Moisture Sensitivity Level (MSL):

1 (Unlimited)

HTSUS:

8541.10.0070

ECCN:

EAR99

MA6X129 (MA129)

Silicon epitaxial planar type

For small power current rectification

■ Features

- Three isolated elements are contained in one package, allowing high-density mounting
- Allowing high voltage rectification

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

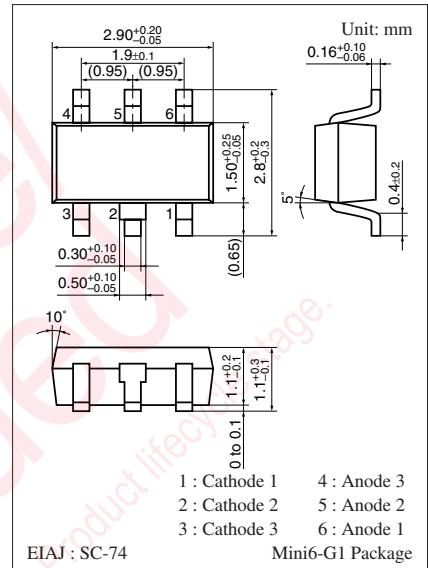
Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	200	V
Maximum peak reverse voltage	V_{RM}	200	V
Output current	Single	I_O	200
	Triple		100
Repetitive peak forward current	Single	I_{FRM}	600
	Triple		200
Non-repetitive peak forward surge current *	Single	I_{FSM}	1 000
	Triple		350
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 ~ +150	$^\circ\text{C}$

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

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

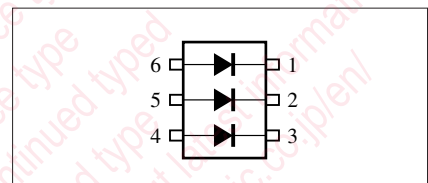
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 200 \text{ mA}$			1.2	V
Reverse current	I_R	$V_R = 200 \text{ V}$			200	nA
Terminal capacitance	C_t	$V_R = 0 \text{ V}, f = 1 \text{ MHz}$		4.5		pF

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.

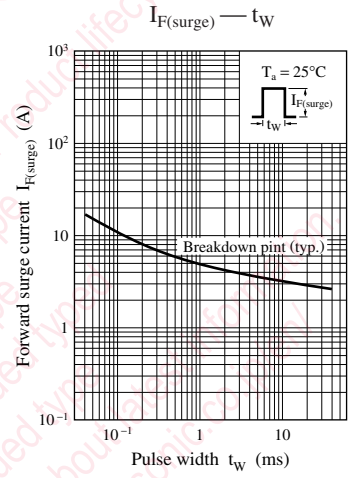
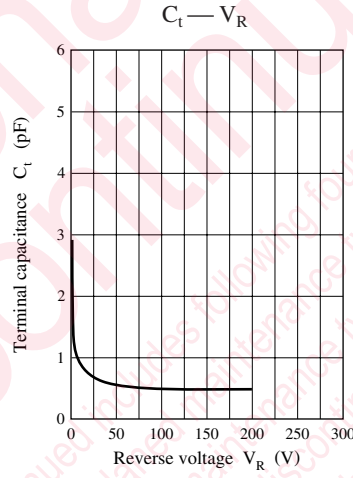
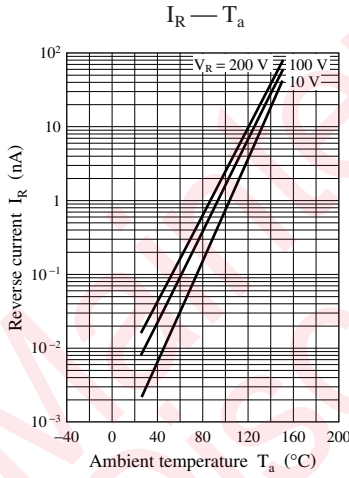
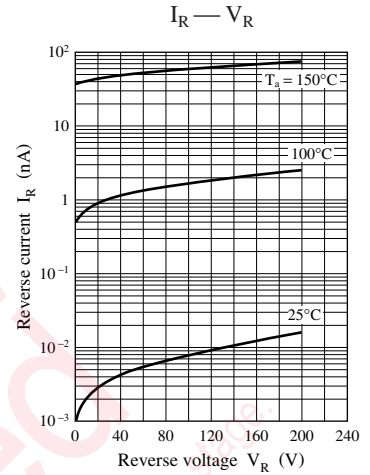
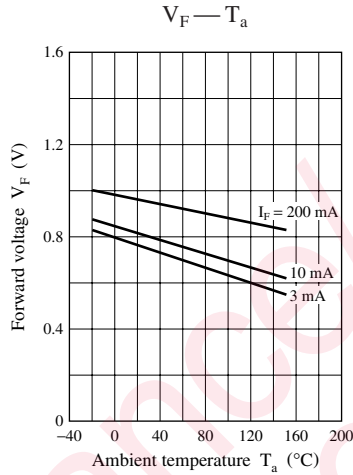
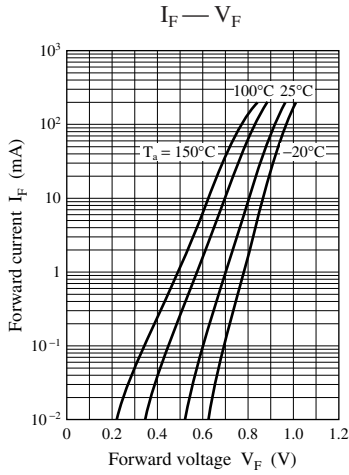


Marking Symbol: M4F

Internal Connection



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



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