MA6X129 (MA129)

Silicon epitaxial planar type

For small power current rectification

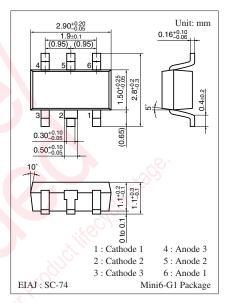
■ Features

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

■ Absolute Maximum Ratings $T_a = 25$ °C

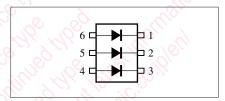
Parameter		Symbol	Rating	Unit	
Reverse voltage		V_R	200	V	
Maximum peak reverse voltage		V _{RM}	200	V	
Output current	Single	I_{O}	200	mA	
	Triple		100		
Repetitive peak forward	Single	I_{FRM}	600	mA	
current	Triple		200		
Non-repetitive peak	Single	I_{FSM}	1 000	mA	
forward surge current *	Triple		350		
Junction temperature		T _j	150	°C	
Storage temperature		T_{stg}	−55 ~ +150	°C	

Note) *: t = 1 s



Marking Symbol: M4F

Internal Connection

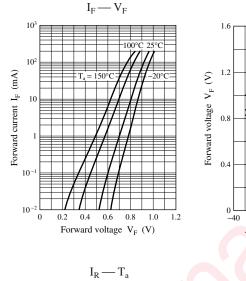


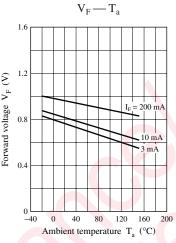
■ Electrical Characteristics T_a = 25°C ± 3°C

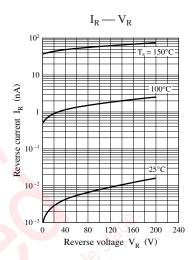
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	I _F = 200 mA	201		1.2	V
Reverse current	I_R	$V_{R} = 200 \text{ V}$			200	nA
Terminal capacitance	C_{t}	$V_R = 0 \text{ V, f} = 1 \text{ MHz}$		4.5		pF

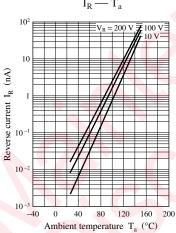
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

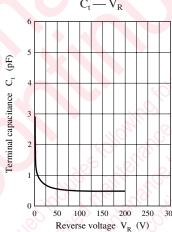
2. Absolute frequency of input and output is 3 MHz.

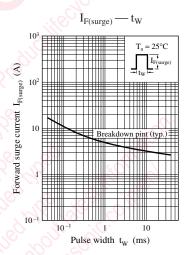












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