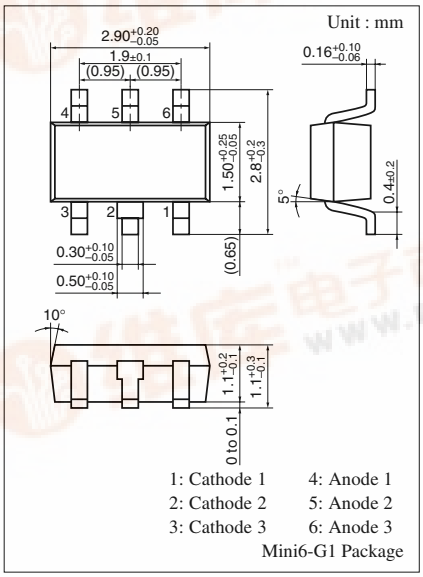
MA6X129 (MA129)

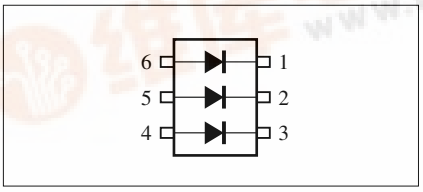
Silicon epitaxial planar type

For small power current rectification



Marking Symbol: M4F

Internal Connection



■ Features

- Three isolated elements 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 (DC)		V_R	200	V
Peak reverse voltage		V_{RM}	200	V
Output current	Single	I_O	100	mA
	Triple		200	
Repetitive peak forward current	Single	I_{FRM}	200	mA
	Triple		600	
Non-repetitive peak forward surge current*	Single	I_{FSM}	350	mA
	Triple		1 000	
Junction temperature		T_j	150	°C
Storage temperature		T_{stg}	−55 to +150	°C

Note) * : t = 1 s

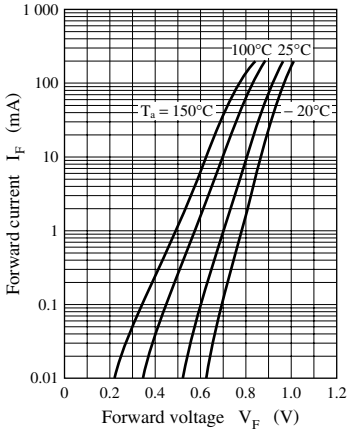
■ Electrical Characteristics $T_a = 25°C$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	V_R = 200 V			0.2	μA
Forward voltage (DC)	V_F	I_F = 200 mA			1.2	V
Terminal capacitance	C_t	V_R = 0 V, f = 1 MHz		4.5		pF

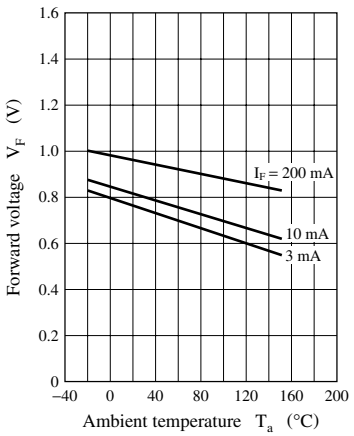
Note) Rated input/output frequency: 3 MHz

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

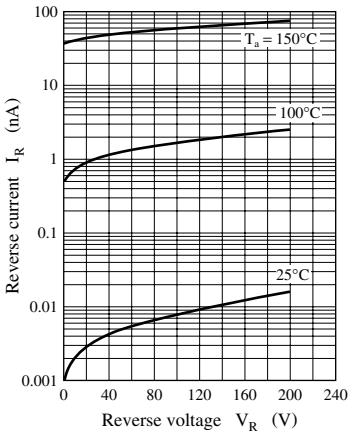
I_F — V_F



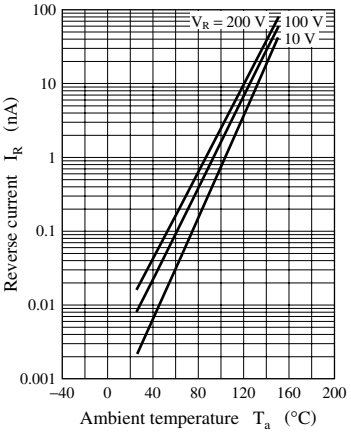
V_F — T_a



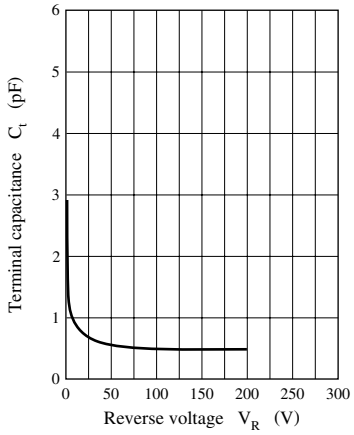
I_R — V_R



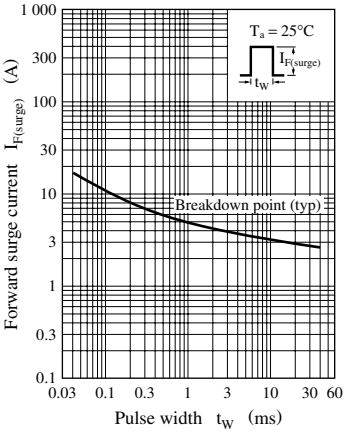
I_R — T_a



C_t — V_R



$I_{F(surge)}$ — t_W



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