

MA4X160A (MA160A)

Silicon epitaxial planar type

For switching circuits

■ Features

- Two isolated elements contained in one package, allowing high-density mounting
- Centrosymmetrical wiring, allowing to free from the tapping direction
- Short reverse recovery time t_{rr}
- Small terminal capacitance C_t

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

Parameter		Symbol	Rating	Unit
Reverse voltage		V_R	80	V
Repetitive peak reverse voltage		V_{RRM}	80	V
Forward current (A ratings)	Single	I_{AS}	100	mA
	Series		7.5	
Repetitive peak forward current	Single	I_{FR}	225	mA
	Series		170	
Non-repetitive peak forward surge current *	Single	I_{FSM}	500	mA
	Series		375	
Junction temperature		T_J	150	°C
Storage temperature		T_{STG}	-55 to +150	°C

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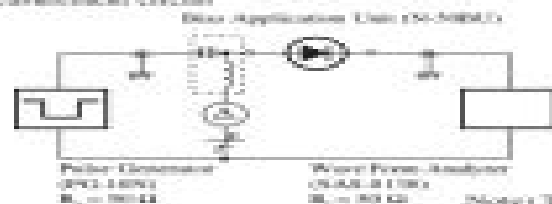
■ **Electrical Characteristics** $T_A = 25^\circ\text{C} \pm 3^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 100 \text{ mA}$		0.95	1.10	V
Reverse voltage	V_R	$I_R = 100 \text{ }\mu\text{A}$	80			V
Reverse current	I_R	$V_R = 15 \text{ V}$			0.1	μA
Terminal capacitance	C_T	$V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$		0.9	2.0	pF
Reverse recovery time ¹	t_{rr}	$I_F = 10 \text{ mA}$, $V_R = 5 \text{ V}$ $I_s = 0.1 \text{ I}_F$, $R_L = 100 \text{ }\Omega$			5	ns

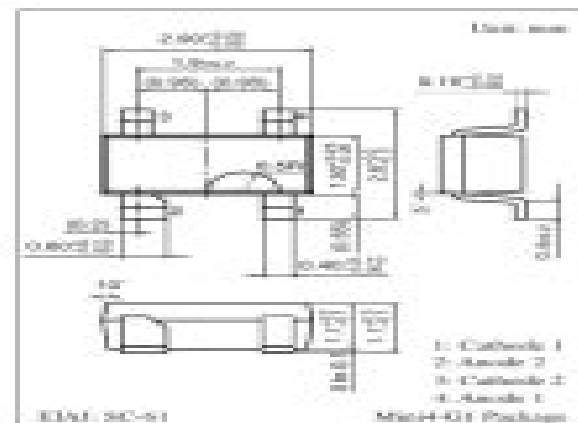
Numbers 1-4: Microarraying methods are based on LAFANGLER'S INVENTIONS; 5-7: Other microarray methods for discovery

2. *Allopatric speciation* of insect and vertebrate in 1993 5:11-12

1. *See* e.g., *United States v. Gurnea*, 199 F.3d 1005, 1010 (9th Cir. 2000).

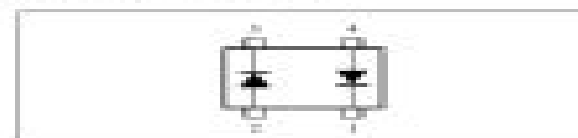


Note: The part number in the parenthesis after a conventional part number



Manuscript received: 10/1/02

Internal Connections



Panasonic Network Card User Manual

Ying Liu



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