

# MA4X348 (MA348)

## Silicon planar type

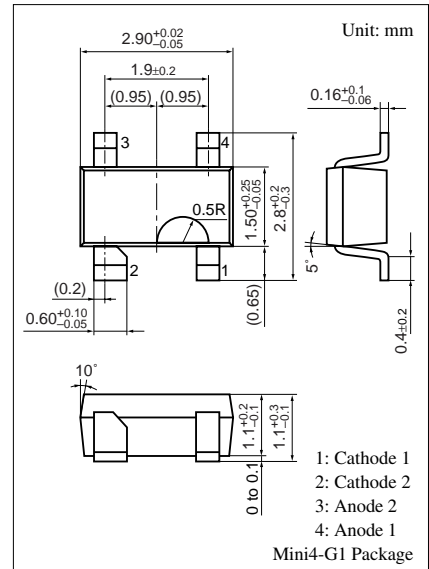
For AFC of FM tuner

### ■ Features

- Two elements incorporated independently, allowing high density mounting
- Small reverse current  $I_R$

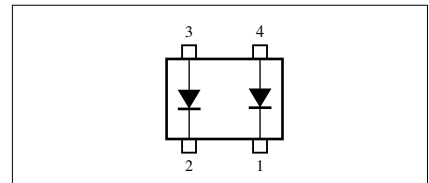
### ■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	$V_R$	15	V
Peak reverse voltage	$V_{RM}$	15	V
Junction temperature	$T_j$	150	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 to +150	$^\circ\text{C}$



Marking Symbol: M1S

Internal Connection

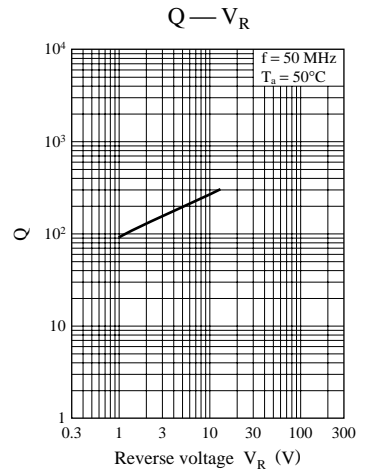
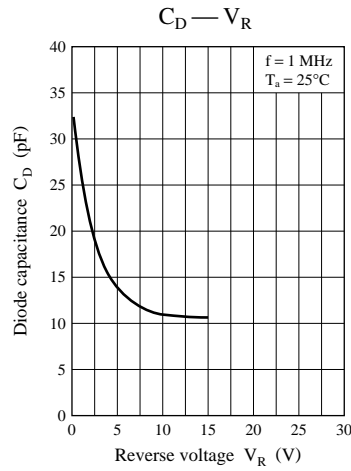
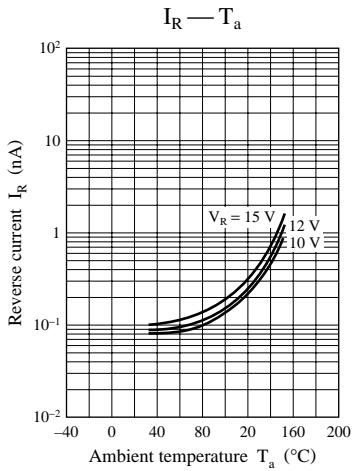
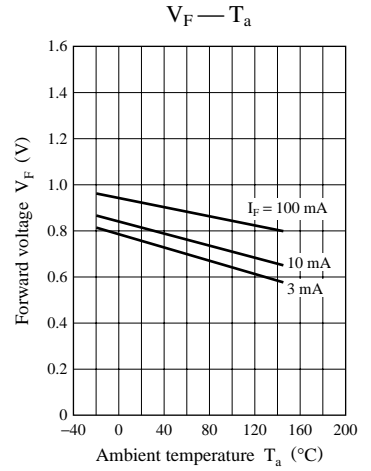
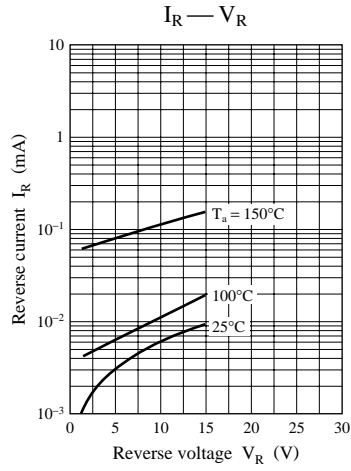
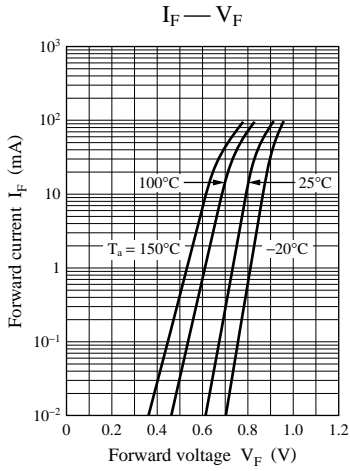


### ■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	$I_{R1}$	$V_R = 12\text{ V}$			100	nA
	$I_{R2}$	$V_R = 12\text{ V}, T_a = 75^\circ\text{C}$			1	$\mu\text{A}$
Diode capacitance	$C_D$	$V_R = 10\text{ V}, f = 1\text{ MHz}$	10		16	pF
Q	Q	$V_R = 10\text{ V}, f = 50\text{ MHz}$	40			—

Note) Rated input/output frequency: 50 MHz

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



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