

MA4X348

Silicon planar type

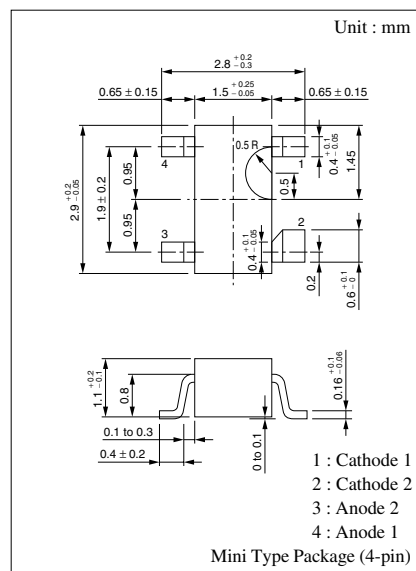
For AFC of FM tuner

■ Features

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

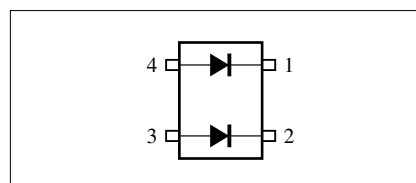
■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

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	μA
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

