

MA348

Silicon planer type

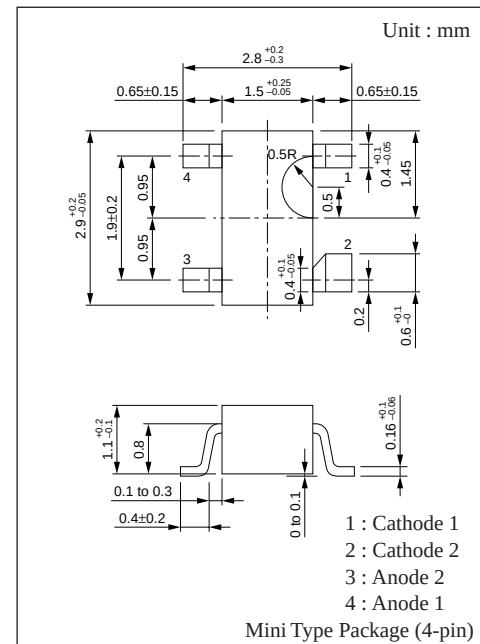
For FM AFC

■ Features

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

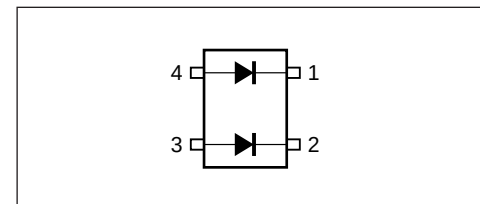
■ Absolute Maximum Ratings (Ta= 25°C)

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	15	V
Peak reverse voltage	V_{RM}	15	V
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	– 55 to + 150	°C



Marking Symbol : M1S

■ Internal Connection



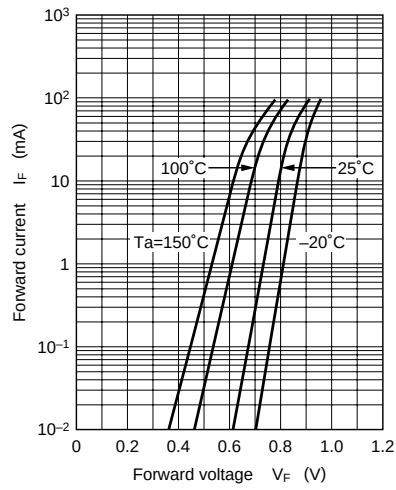
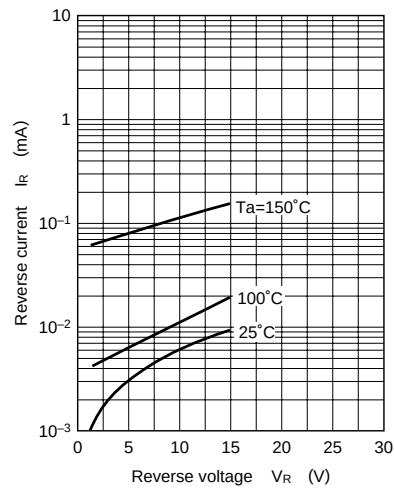
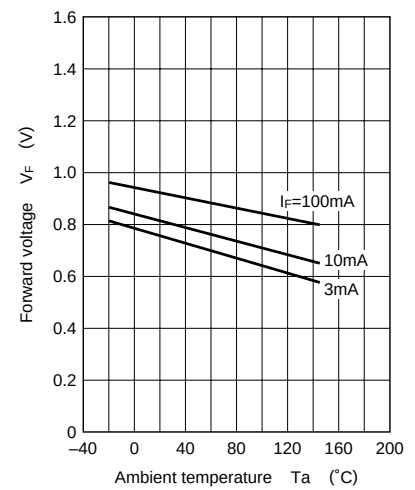
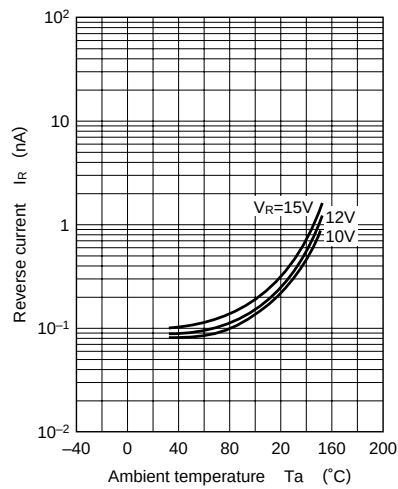
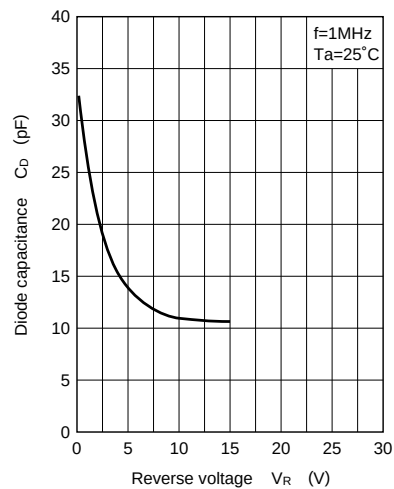
■ Electrical Characteristics (Ta= 25°C)

Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	I_{R1}	$V_R = 12V$			100	nA
	I_{R2}	$V_R = 12V, T_a = 75^\circ C$			1	μA
Diode capacitance	C_D	$V_R = 10V, f = 1MHz$	10		16	pF
Q	Q	$V_R = 10V, f = 50MHz$	40			—

❖ Rated input/output frequency : 50MHz

■ Marking



$I_F - V_F$  $I_R - V_R$  $V_F - T_a$  $I_R - T_a$  $C_D - V_R$  $Q - V_R$ 