

MA345

Silicon epitaxial planer type

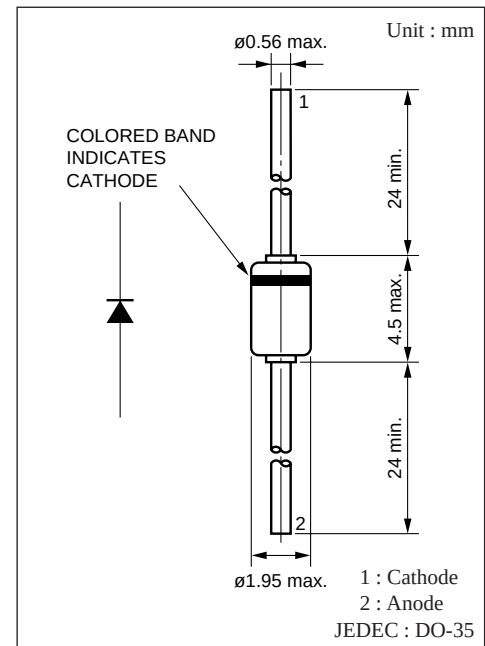
For FM tuner AFC

■ Features

- High reliability achieved through combination of a planer type chip and glass sealing structure
- Small and easy to mount
- 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	200	°C
Storage temperature	T_{stg}	– 65 to + 200	°C



Body Color : Black

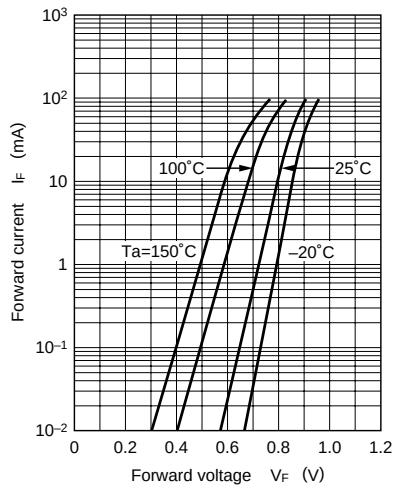
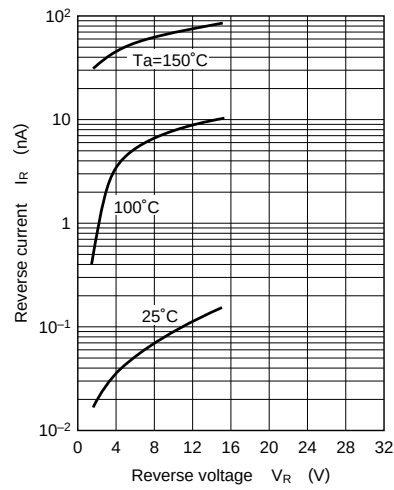
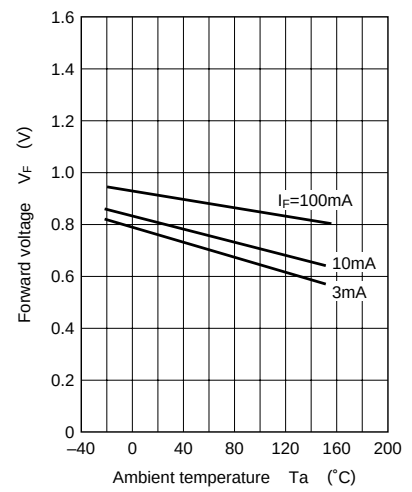
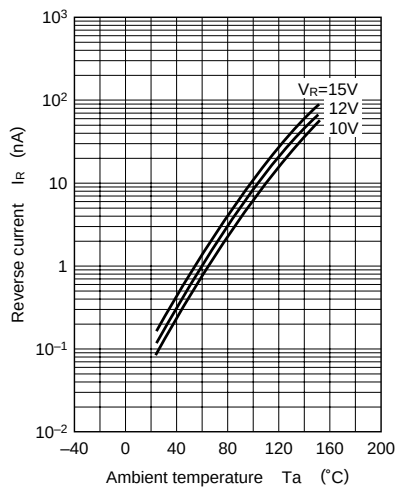
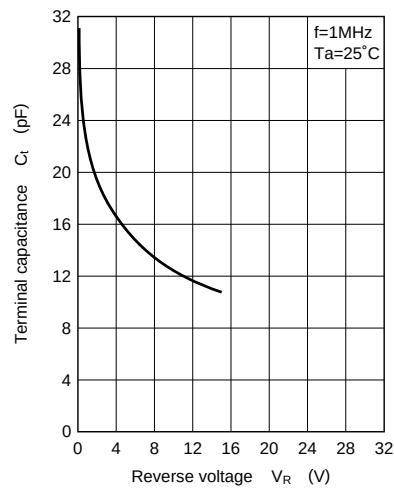
■ Electrical Characteristics (Ta= 25°C)

Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	I_R	$V_R = 12V$			100	nA
		$V_R = 12V, T_a = 75^\circ C$			1	μA
Terminal capacitance	C_t	$V_R = 10V, f = 1MHz$	10		16	pF
Q	Q	$V_R = 10V, f = 50MHz$	40			—

❖ Rated input/output frequency : 100MHz

■ Cathode Indication

Type No.	MA345
Color	Silver

$I_F - V_F$  $I_R - V_R$  $V_F - T_a$  $I_R - T_a$  $C_t - V_R$  $I_F(\text{surge}) - t_w$ 