

MA2B345 (MA345)

Silicon epitaxial planar type

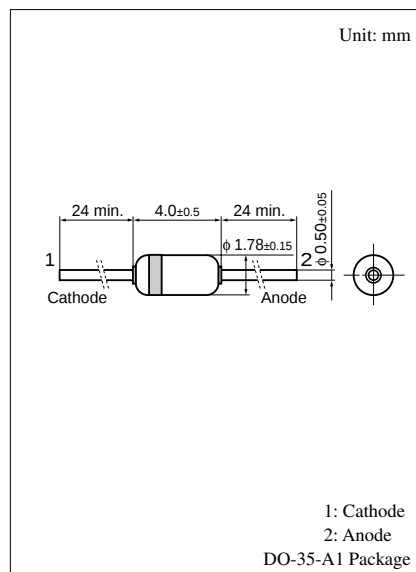
For AFC of FM tuner

■ Features

- High reliability achieved through combination of a planar type chip and glass sealing structure
- Small package allowing easy 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	200	$^\circ\text{C}$
Storage temperature	T_{stg}	-65 to +200	$^\circ\text{C}$



Body Color: Black

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

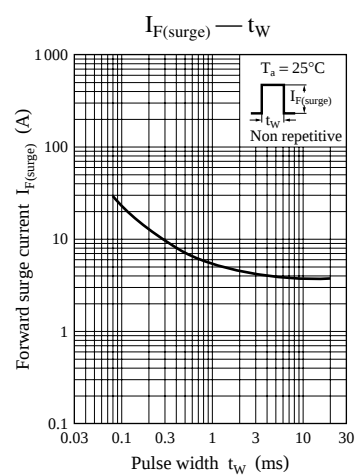
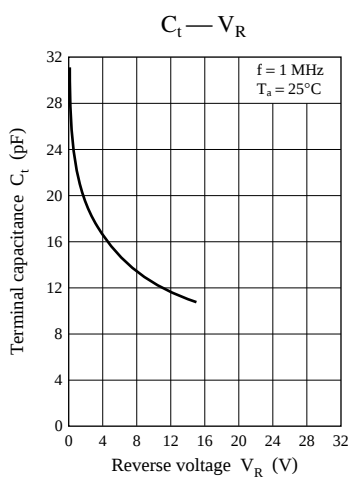
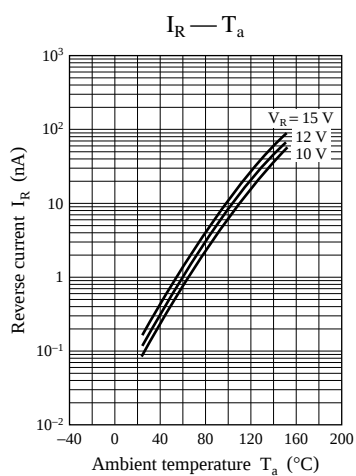
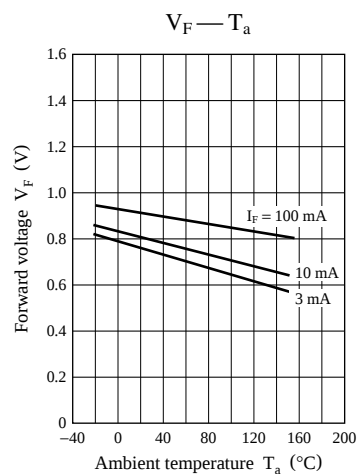
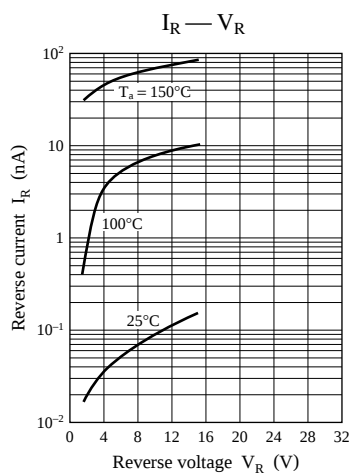
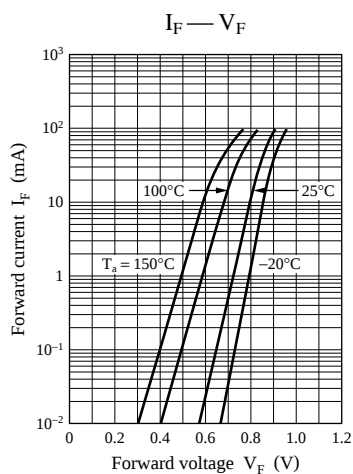
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	$V_R = 12\text{ V}$			100	nA
		$V_R = 12\text{ V}, T_a = 75^\circ\text{C}$			1	μA
Terminal capacitance	C_t	$V_R = 10\text{ V}, f = 1\text{ MHz}$	10		16	pF
Q	Q	$V_R = 10\text{ V}, f = 50\text{ MHz}$	40			—

Note) 1. Rated input/output frequency: 100 MHz

■ Cathode Mark

Type No.	MA2B345
Color	Silver

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



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