Panasonic

MA2C856 (MA856)

Silicon epitaxial planar type

For band switching

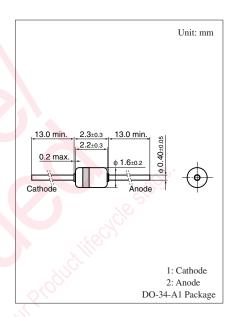
■ Features

- Extra-small DHD envelope, allowing to insert into a 5 mm pitch hole
- Less voltage dependence of the diode capacitance C_D
- Low forward dynamic resistance r_f
- Optimum for a band switching of tuner

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit	
Reverse voltage	V_R	35	V	
Forward current	I_{F}	100	mA	
Operating ambient temperature *	Topr	-25 to +85	°C	
Storage temperature	T _{stg}	-55 to +100	°C	

Note) *: Maximum ambient temperature during operation.



■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 100 \text{ mA}$	100 V	80,	1	V
Reverse current *	I_R	$V_R = 33 \text{ V}$		0	100	nA
Diode capacitance	$C_{\rm D}$	$V_R = 15 \text{ V}, f = 1 \text{ MHz}$	7.60		2	pF
Forward dynamic resistance	$r_{\rm f}$	$I_F = 3 \text{ mA}, f = 100 \text{ MHz}$			0.85	Ω

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

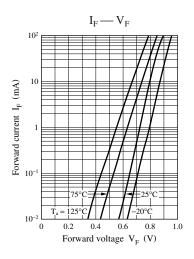
- 2. Absolute frequency of input and output is 100 MHz
- 3. *: I_R should be measured under the condition of prevention the light.

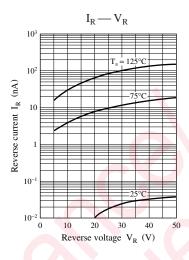
■ Cathode Mark

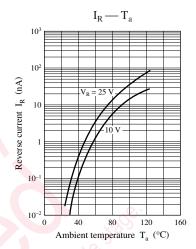
Type No.	MA2C856			
Color	Yellow			

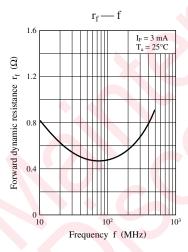
Note) The part number in the parenthesis shows conventional part number.

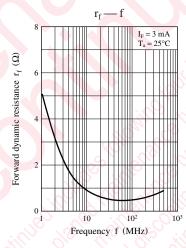
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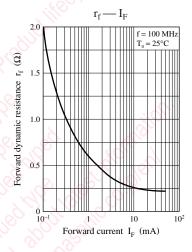


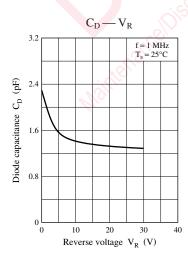












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