Tinite me

MA2C859 (MA859)

Silicon epitaxial planar type

For band switching

Features

• Extra-small DHD envelope, allowing to insert into a 5 mm pitch hole

Symbol

V_R

 $I_{\rm F}$

Topr

T_{stg}

Rating

35

100

-25 to +85

-55 to +100

Unit

v

mA

°C

°C

- Less voltage dependence of the terminal capacitance C_t
- Low forward dynamic resistance rf

Parameter

Operating ambient temperature

Reverse voltage (DC)

Forward current (DC)

Storage temperature

• Optimum for a band switching of tuner

	Unit: mm	
13.0 min. 2.3±0.3 0.2 max. 0.2 max. 0.1 min. 0.2 max. 0.1 min. 0.1 min. 0.2 max. 0.1 min. 0.1 min. 0.2 min. 0.1 min. 0.1 min. 0.1 min. 0.2 min. 0.1 mi		
1:	Cathode	
2: Anode		
DO-34-2	A1 Package	

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

Electrical Characteristic	cs $T_a = 25^{\circ}C$
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Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC) *1	I _R	$V_R = 33 V$			100	nA
Forward voltage (DC)	V _F	$I_F = 100 \text{ mA}$			1.0	V
Terminal capacitance	Ct	$V_R = 6 V, f = 1 MHz$		0.8	1.2	pF
Forward dynamic resistance	r _f *2	$I_F = 2 \text{ mA}, f = 100 \text{ MHz}$		0.5	0.65	Ω
	r _f *3			0.77	0.98	

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

2. *1: Measurement in light shielded condition

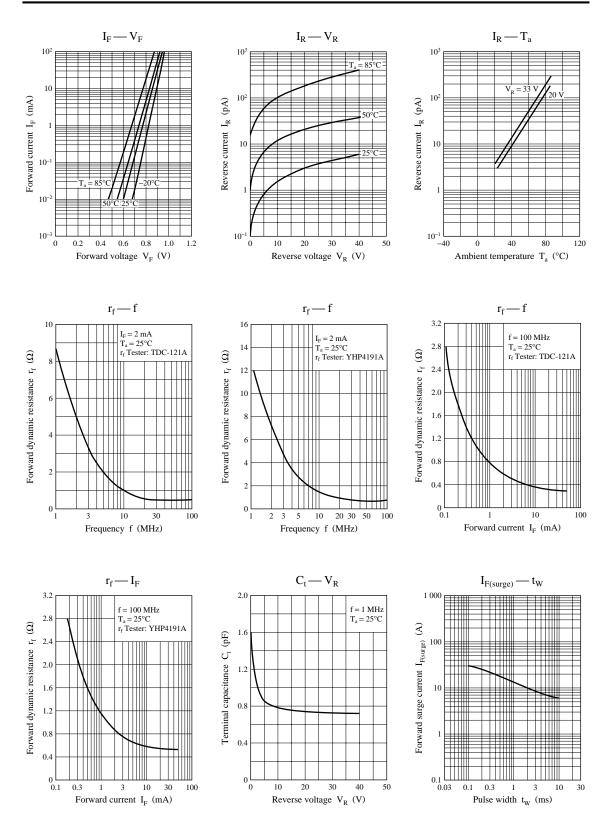
*2: Measuring instrument: Nihon Koshuha MODEL TDC-121A Lead lengh 5 mm

*3: Measuring instrument: YHP 4191A Lead lenght 5 mm

Cathode Mark

Туре	e No.	MA2C859
Color	1st Band	Black
	2nd Band	Blue

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



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