imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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Band Switching Diodes

Panasonic

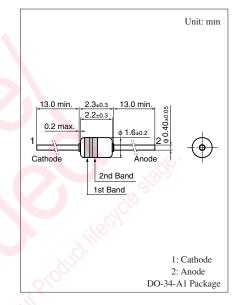
MA2C859 (MA859)

Silicon epitaxial planar type

For band switching

Features

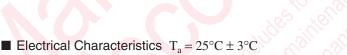
- Extra-small DHD envelope, allowing to insert into a 5 mm pitch hole
- \bullet Less voltage dependence of the diode capacitance $C_{\rm D}$
- \bullet Low forward dynamic resistance $r_{\rm f}$
- Optimum for a band switching of tuner



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

Parameter	Symbol	Rating	Unit
Reverse voltage	V _R	35	V
Forward current	I _F	100	mA
Operating ambient temperature *	T _{opr}	-25 to +85	°C
Storage temperature	T _{stg}	-55 to +100	°C

Note) *: Maximum ambient temperature during operation.



Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_{\rm F} = 100 \text{ mA}$	0	SOL	1.0	V
Reverse current *1	IR	V _R = 33 V	Jan 1	0-	100	nA
Diode capacitance	CD	$V_R = 6 V, f = 1 MHz$	20	0.8	1.2	pF
Forward dynamic resistance*2	r _f	$I_F = 2 \text{ mA}, f = 100 \text{ MHz}$		0.77	0.98	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. *1: I_R should be measured under the condition of prevention the light.

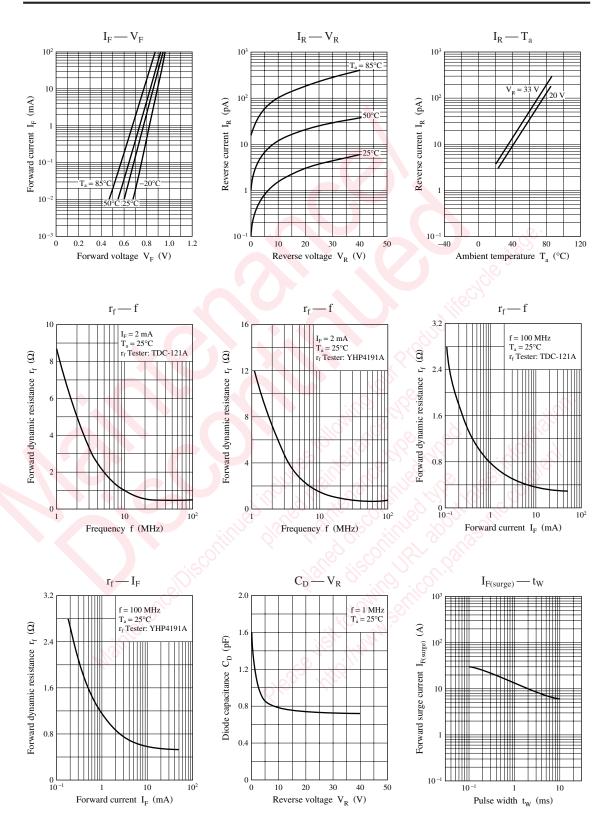
*2: Measuring instrument; YHP MODEL 4191A RF IMPEDANCE ANALYZER

Cathode Mark

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

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

Panasonic



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