Band Switching Diodes

Panasonic

Unit: mm

athode 2: Anode DO-34-A1 Package

MA2C858 (MA858)

Silicon epitaxial planar type

For band switching

Features

| realures | | | | |
|--|---|--------------|------|--|
| Extra-small DHD envelope, hole Less voltage dependence of Low forward dynamic resis Optimum for a band switch Absolute Maximum Ratio | f the diode c stance r _f ling of tuner | apacitance C | | 13.0 min. 2.3±0.3 0.2 max Cathode 2.2±0.3 0.1 fb=0.2 0.2 max 2.2±0.3 0 1.6±0.2 0 1.6±0.2 0 2 md Band 1st Band |
| 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 | , d |

| Note) *: Maximum a | mbiant temperature | during one | ration |
|--------------------|--------------------|------------|--------|
| Note) *. Maximum a | amplem temperature | uuning ope | auon. |

Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

| Operating ambient temperature | I opr | -25 to +85 | | | | DO-34-A | 1 Package |
|-------------------------------|------------------|----------------------|-----------------|-------|-----------|---------|-----------|
| Storage temperature | T _{stg} | -55 to +100 | °C | | <u>کې</u> | | |
| Note) *: Maximum ambient temp | | | about 1 | atest | 8U | | |
| Parameter | Symb | lool | Conditions | Min | Тур | Max | Unit |
| Forward voltage | V _F | $I_{\rm F} = 100$ |) mA | | | 1.0 | V |
| Reverse current * | IR | $V_{\rm R} = 33$ | Ville | | | 100 | nA |
| Diode capacitance | CD | $V_R = 6$ | V, f = 1 MHz | | | 1.2 | pF |
| Forward dynamic resistance | r _f | I _€ = 2 m | nA, f = 100 MHz | | | 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

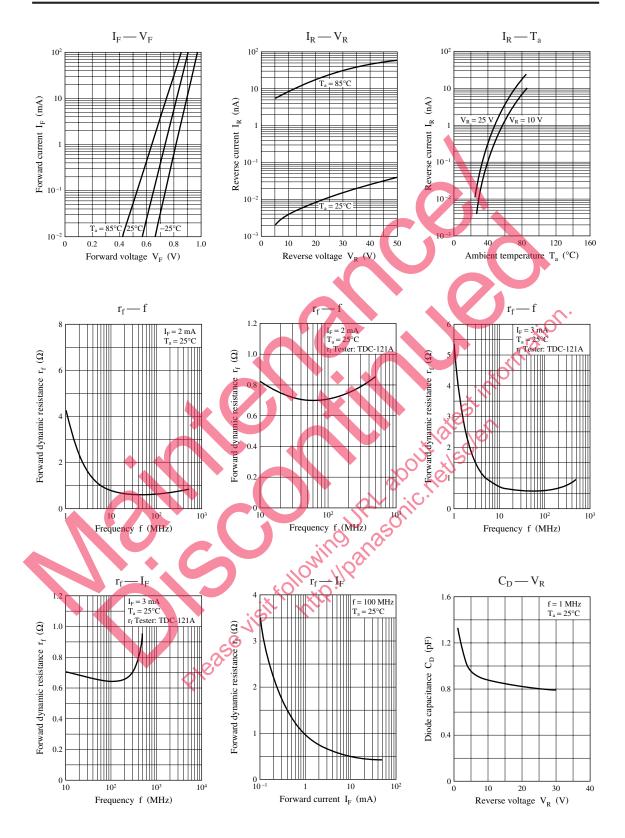
3. *: I_R should be measured under the condition of prevention the light.

Cathode Mark

| Туре | e No. | MA2C858 | | |
|-------|----------|---------|--|--|
| Color | 1st Band | Yellow | | |
| | 2nd Band | Yellow | | |

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

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