

MA2C858

Silicon epitaxial planar type

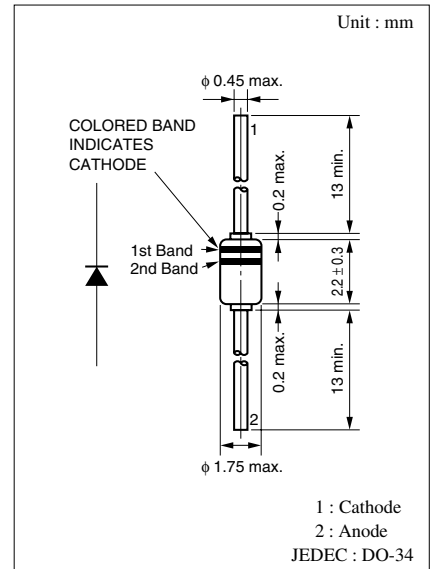
For band switching

■ Features

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

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

| Parameter | Symbol | Rating | Unit |
|-------------------------------|-----------|-------------|------------------|
| Reverse voltage (DC) | V_R | 35 | V |
| Forward current (DC) | I_F | 100 | mA |
| Operating ambient temperature | T_{opr} | -25 to +85 | $^\circ\text{C}$ |
| Storage temperature | T_{stg} | -55 to +100 | $^\circ\text{C}$ |



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

| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|----------------------------|--------|-----------------------------|-----|-----|-----|----------|
| Reverse current (DC)* | I_R | $V_R = 33$ V | | | 100 | nA |
| Forward voltage (DC) | V_F | $I_F = 100$ mA | | | 1 | V |
| Terminal capacitance | C_t | $V_R = 6$ V, $f = 1$ MHz | | | 1.2 | pF |
| Forward dynamic resistance | r_f | $I_F = 2$ mA, $f = 100$ MHz | | | 0.9 | Ω |

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

2. *: Measurement in light shielded condition

■ Cathode Indication

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

