

TOSHIBA Diode Silicon Epitaxial Planar Type

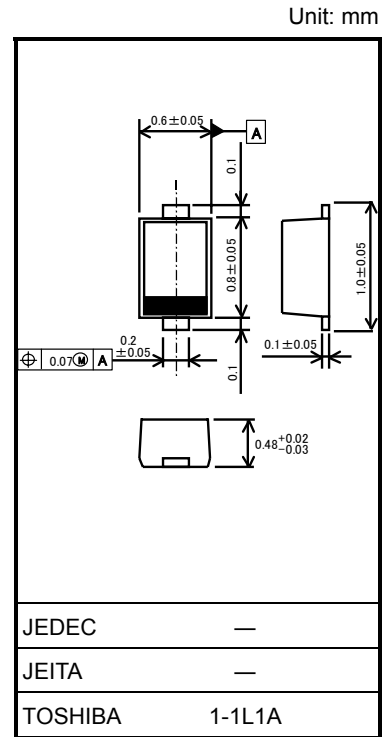
JDV2S09FS

VCO for UHF band

- High capacitance ratio: $C_{1V}/C_{4V} = 2.1$ (typ.)
- Low series resistance: $r_s = 0.33 \Omega$ (typ.)
- This device is suitable for use in a small-size tuner.

Maximum Ratings (Ta = 25°C)

| Characteristics | Symbol | Rating | Unit |
|---------------------------|-----------|---------|------|
| Reverse voltage | V_R | 10 | V |
| Junction temperature | T_j | 150 | °C |
| Storage temperature range | T_{stg} | -55~150 | °C |



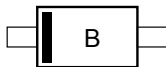
Weight: 0.0006 g (typ.)

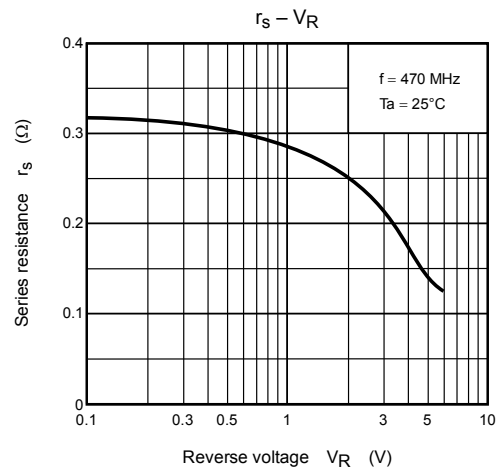
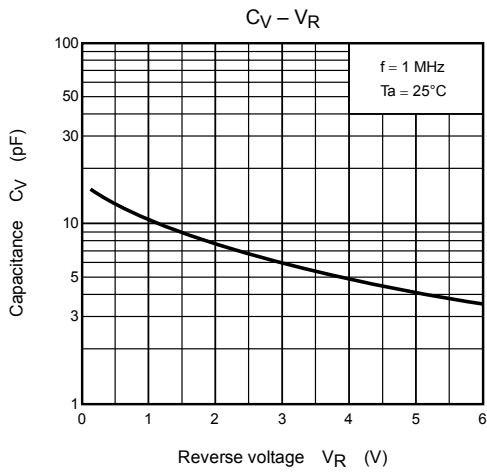
Electrical Characteristics (Ta = 25°C)

| Characteristics | Symbol | Test Condition | Min | Typ. | Max | Unit |
|-------------------|-----------------|--------------------------|------|------|------|----------|
| Reverse voltage | V_R | $I_R = 1 \mu A$ | 10 | — | — | V |
| Reverse current | I_R | $V_R = 10 V$ | — | — | 3 | nA |
| Capacitance | C_{1V} | $V_R = 1 V, f = 1 MHz$ | 9.7 | — | 11.1 | pF |
| | C_{4V} | $V_R = 4 V, f = 1 MHz$ | 4.45 | — | 5.45 | |
| Capacitance ratio | C_{1V}/C_{4V} | — | 1.8 | 2.1 | — | — |
| Series resistance | r_s | $V_R = 1 V, f = 470 MHz$ | — | 0.33 | 0.45 | Ω |

Note: Signal level when capacitance is measured. $V_{sig} = 500 mVrms$

Marking





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- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
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- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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