

# 1SV329

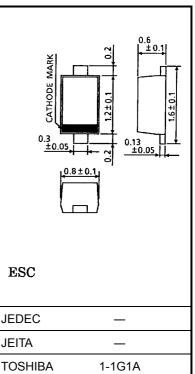
#### VCO for UHF Band Radio

查询1SV329供应商 TOSHIBA

- High capacitance ratio:  $C_1 V/C_4 V = 2.8$  (typ.)
- Low series resistance:  $r_s = 0.55 \Omega$  (typ.)
- Useful for small size tuner.

### Maximum Ratings (Ta = 25°C)

| Characteristics           | Symbol           | Rating  | Unit |
|---------------------------|------------------|---------|------|
| Reverse voltage           | V <sub>R</sub>   | 10      | V    |
| Junction temperature      | Тj               | 125     | °C   |
| Storage temperature range | T <sub>stg</sub> | -55~125 | °C   |



Weight: 0.0014 g (typ.)

#### **Electrical Characteristics (Ta = 25°C)**

| Characteristics   | Symbol                             | Test Condition                  | Min  | Тур. | Max  | Unit |
|-------------------|------------------------------------|---------------------------------|------|------|------|------|
| Reverse voltage   | V <sub>R</sub>                     | $I_R = 1 \ \mu A$               | 10   |      |      | V    |
| Reverse current   | I <sub>R</sub>                     | V <sub>R</sub> = 10 V           | _    |      | 3    | nA   |
| Capacitance       | C <sub>1 V</sub>                   | V <sub>R</sub> = 1 V, f = 1 MHz | 5.7  | _    | 6.7  | pF   |
| Capacitance       | C <sub>4 V</sub>                   | V <sub>R</sub> = 4 V, f = 1 MHz | 1.85 | _    | 2.45 | pF   |
| Capacitance ratio | C <sub>1 V</sub> /C <sub>4 V</sub> |                                 | 2.7  | 2.8  | _    | _    |
| Series resistance | r <sub>s</sub>                     | $V_{R} = 1 V, f = 470 MHz$      |      | 0.55 | 0.7  | Ω    |

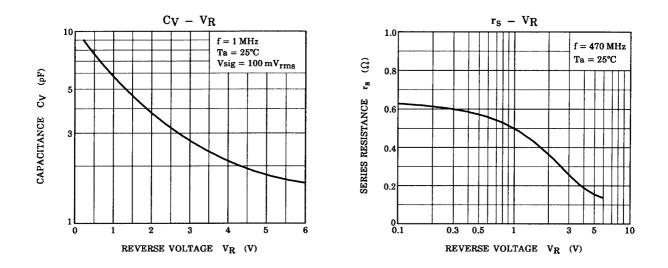
Note: Signal level when capacitance is measured: Vsig = 100 mVrms

#### Marking



Unit: mm

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