捷多邦,专业PCB打样工厂,24小时加急出货

## JDV2S08FS

TOSHIBA Diode Silicon Epitaxial Planar Type

# JDV2S08FS

VCO for the UHF band

TOSHIBA

High capacitance ratio:  $C_{1V}/C_{4V} = 3.0$  (typ.)

查询JDV2S08FS供应商

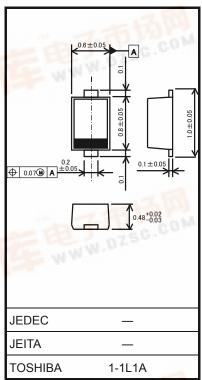
- Low series resistance:  $r_s = 0.35 \Omega$  (typ.)
- This device is suitable for use in a small-size tuner.

## Absolute Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Reverse voltage	V <sub>R</sub>	10	V
Junction temperature	Тј	150	°C
Storage temperature range	T <sub>stg</sub>	-55~150	°C

Note: Using continuously under heavy loads (e.g. the application of high temperature/current/voltage and the significant change in temperature, etc.) may cause this product to decrease in the reliability significantly even if the operating conditions (i.e. operating temperature/current/voltage, etc.) are within the absolute maximum ratings.

Please design the appropriate reliability upon reviewing the Toshiba Semiconductor Reliability Handbook ("Handling Precautions"/"Derating Concept and Methods") and individual reliability data (i.e. reliability test report and estimated failure rate, etc).



Weight: 0.0006 g (typ.) WWW.DZSC.COM

## Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse voltage	VR	I <sub>R</sub> = 1 μA	10			V
Reverse current	I <sub>R</sub>	V <sub>R</sub> = 10 V			3	nA
Capacitance -	C <sub>1V</sub>	V <sub>R</sub> = 1 V, f = 1 MHz	17.3	- 3	19.3	pF
	C <sub>4V</sub>	$V_R = 4 V$ , f = 1 MHz	5.3	71	6.6	
Capacitance ratio	C <sub>1V</sub> /C <sub>4V</sub>		2.8	3	1250	_
Series resistance	r <sub>s</sub>	V <sub>R</sub> = 1 V, <b>f</b> = 470 MHz	- 14	0.35	0.45	Ω

Note: Signal level when capacitance is measured: V<sub>sig</sub> = 500 mVrms WWW.0ZSC.COM

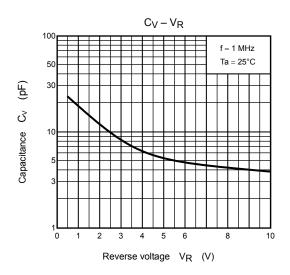
#### Marking

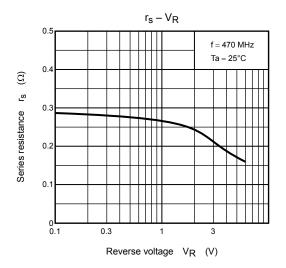


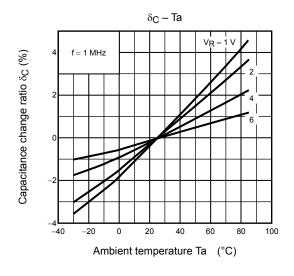


Unit: mm

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Note: 
$$\delta_{C} = \frac{C (Ta) - C (25)}{C (25)} \times 100$$
 (%)

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#### **RESTRICTIONS ON PRODUCT USE**

20070701-EN GENERAL

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