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查询JDV2S22FS供应商 TOSHIBA

JDV2S22FS

TOSHIBA Diode Silicon Epitaxial Planar Type

JDV2S22FS

VCO for the UHF band

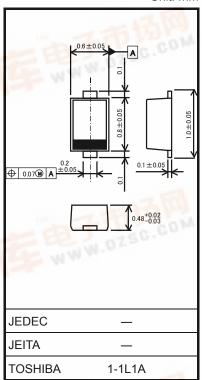
- High capacitance ratio: $C_{1V}/C_{4V} = 1.82$ (typ.)
- Low series resistance: $r_s = 0.50 \Omega$ (typ.)
- This device is suitable for use in a small-size tuner.

Absolute Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit	
Reverse voltage	V _R	10	V	
Junction temperature	Тј	150	°C	
Storage temperature range	T _{stg}	-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 _R = 1 μA	10			V
Reverse current	I _R	V _R = 10 V		_	3	nA
Capacitance	C _{1V}	V _R = 1 V, f = 1 MHz	3.24	- 3	3.62	pF
	C _{4V}	V _R = 4 V, f = 1 MHz	1.77	71	1.99	
Capacitance ratio	C _{1V} /C _{4V}		1.72	1.00	1.92	
Series resistance	r _s	V _R = 1 V, f = 470 MHz	14	0.5	0.62	Ω

Note: Signal level when capacitance is measured: V_{sig} = 100 mVrms WWW.0ZSC.COM

Marking

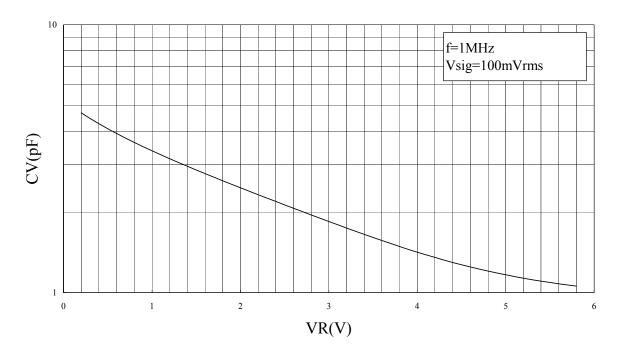




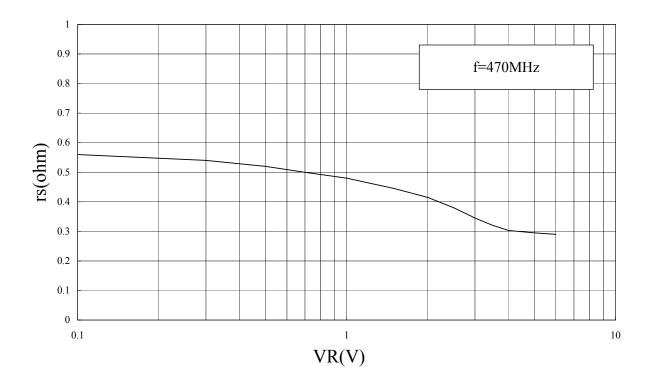
Unit: mm

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CV-VR







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20070701-EN GENERAL

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