TOSHIBA DIODE Silicon Epitaxial Planar Type

JDV2S17S

VCO for UHF Band Radio

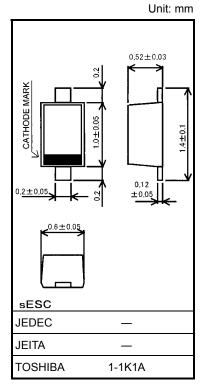
• High Capacitance Ratio: C1V/C4V = 2.1 (typ.)

• Low Series Resistance : $r_8 = 0.6 \Omega$ (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	Tj	150	°C
Storage temperature range	T _{stg}	-55~150	°C



Weight: 0.0011 g (typ.)

Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse voltage	V_{R}	$I_R = 1 \mu A$	10	_	_	V
Reverse current	I _R	V _R = 10 V	_	_	3	nA
Capacitance -	C1 _V	V _R = 1 V, f = 1 MHz	1.77	_	2.01	- pF
	C4 _V	V _R = 4 V, f = 1 MHz	0.8	_	1.0	
Capacitance ratio	C1 _V /C4 _V	_	2	_	2.2	_
Series resistance	r _s	V _R = 1 V, f = 470 MHz	_	0.6	0.75	Ω

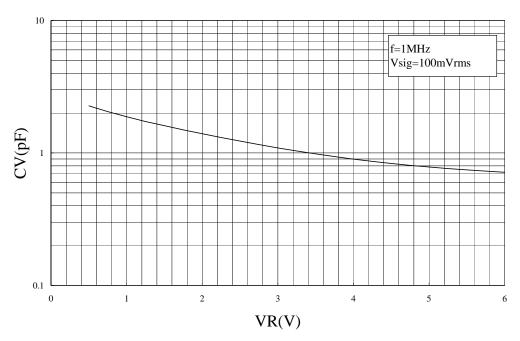
Note: Signal level when capacitance is measured: $V_{\mbox{sig}} = 100 \mbox{ mVrms}$

Marking

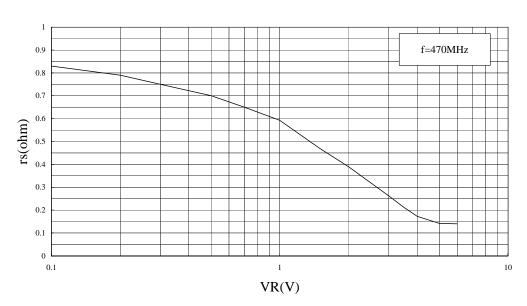


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