



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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TOSHIBA Diode Silicon Epitaxial Planar Type

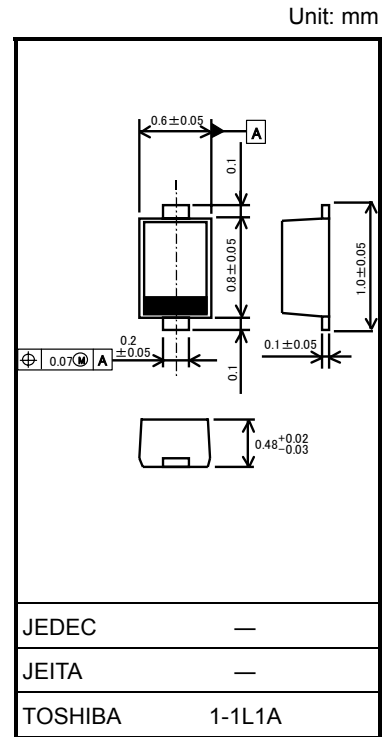
JDV2S09FS

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



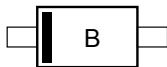
Weight: 0.0006 g (typ.)

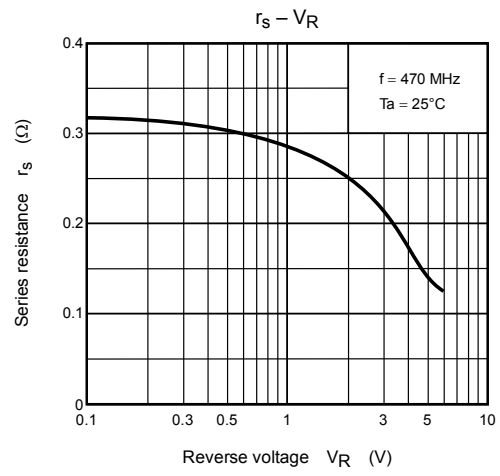
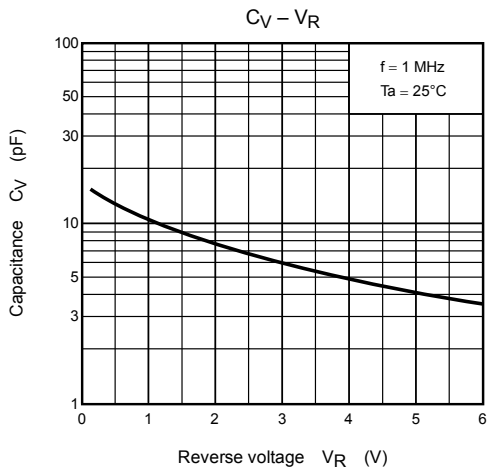
Electrical Characteristics (Ta = 25°C)

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. $V_{sig} = 500 mV_{rms}$

Marking





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