

## JDV3C11

TOSHIBA Diode Silicon Epitaxial Planar Type

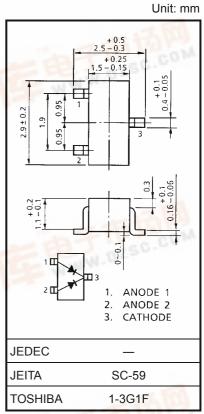
# JDV3C11

## Electronic Tuning Applications of FM Receivers

- High capacitance ratio:  $C_{1V}/C_{4.5V} = 5.3$  (typ.) •
- Low series resistance:  $r_s = 0.4 \Omega$  (typ.) •
- Two diodes in a single package •

#### Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Reverse voltage	V <sub>R</sub>	20	V
Junction temperature	Тј	125	°C
Storage temperature range	T <sub>stg</sub>	-55~125	°C



WWW.DZSC.COM Weight: 0.013 g (typ.)



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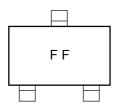
# **Electrical Characteristics (Ta = 25°C)**

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse voltage	VR	$I_R = 1 \ \mu A$	20	_		V
Reverse current	I <sub>R</sub>	V <sub>R</sub> = 20 V		_	10	nA
Capacitance -	C <sub>1V</sub>	V <sub>R</sub> = 1 V, f = 1 MHz	65.8		74.2	рF
	C <sub>4.5V</sub>	V <sub>R</sub> = 4.5 V, f = 1 MHz	11.5	_	14.3	
Capacitance ratio	C <sub>1V</sub> /C <sub>4.5V</sub>	—	5	5.3		_
Series resistance	r <sub>s</sub>	V <sub>R</sub> = 1.5 V, f = 100 MHz		0.4	0.6	Ω

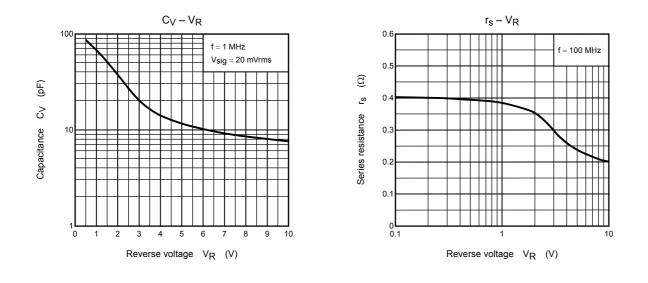
Note 1: Signal level when capacitance is measured.  $V_{\mbox{sig}}$  = 20 mVrms

Note 2: Electrical characteristics shown in the above are between anode 1 and cathode, between anode 2 and cathode.

### Marking



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