TOSHIBA Diode Silicon Epitaxial Planar Type

1SS314

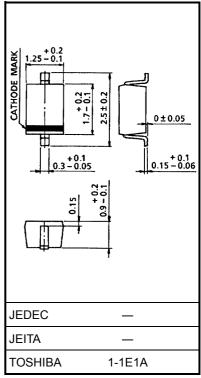
VHF Tuner Band Switch Applications

Unit: mm

- Small package.
- Small total capacitance: $C_T = 1.2 pF (max)$
- Low series resistance: $r_8 = 0.5 \Omega$ (typ.)

Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Reverse voltage	V_{R}	30	V
Forward current	I _F	100	mA
Junction temperature	Tj	125	°C
Storage temperature range	T _{stg}	-55~125	°C



Weight: 0.004 g (typ.)

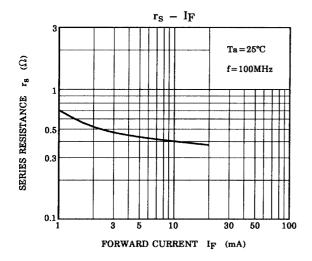
Electrical Characteristics (Ta = 25°C)

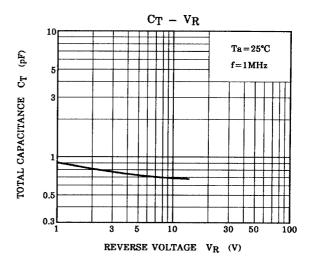
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Forward voltage	V _F	I _F = 2 mA		_	0.85	V
Reverse current	I _R	V _R = 15 V	_	_	0.1	μΑ
Reverse voltage	V_{R}	$I_R = 1 \mu A$	30	_	_	V
Total capacitance	C _T	$V_R = 6 V$, $f = 1 MHz$		0.7	1.2	pF
Series resistance	r _s	$I_F = 2 \text{ mA}, f = 100 \text{ MHz}$	_	0.5	0.9	Ω

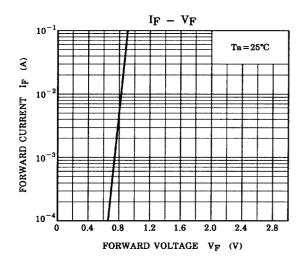
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Marking









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