TOSHIBA Diode Silicon Epitaxial PIN Type

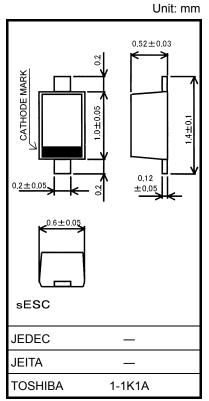
# JDP2S01S

### UHF~VHF Band RF Attenuator Applications

- Suitable for reducing set's size as a result from enabling high-density mounting due to 2-pin small packages.
- Low series resistance:  $r_s = 0.65\Omega(typ.)$
- Low capacitance:  $C_T = 0.65 \text{ pF}$  (typ.)

### Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Reverse voltage	V <sub>R</sub>	30	V
Forward current	١ <sub>F</sub>	50	mA
Junction temperature	Tj	150	°C
Storage temperature range	T <sub>stg</sub>	-55~150	°C



Weight: 0.0011 g

## Electrical Characteristics (Ta = 25°C)

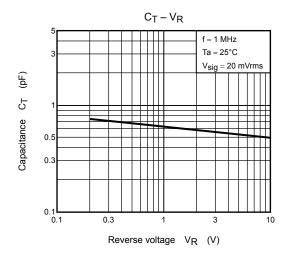
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse voltage	V <sub>R</sub>	I <sub>R</sub> = 10 μA	30	_		V
Reverse current	I <sub>R</sub>	V <sub>R</sub> = 30 V	_	_	0.1	μA
Forward voltage	VF	I <sub>F</sub> = 50 mA	_	0.86	0.92	V
Capacitance	CT	V <sub>R</sub> = 1 V, f = 1 MHz	_	0.65	0.8	pF
Series resistance	r <sub>s</sub>	I <sub>F</sub> = 10 mA, f = 100 MHz		0.65	1	Ω

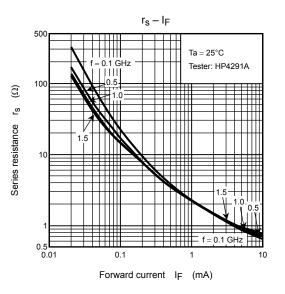
Note: Signal level when capacitance is measured.  $V_{sig}$  = 20 mVrms

### Marking



### **TOSHIBA**





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