Unit: mm

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: CT = 0.65 pF (typ.)

## **Maximum Ratings (Ta = 25°C)**

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

# SESC JEDEC — JEITA — TOSHIBA 1-1K1A

Weight: 0.0011 g

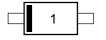
## **Electrical Characteristics (Ta = 25°C)**

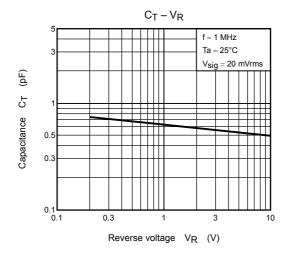
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse voltage	V <sub>R</sub>	Ι <sub>R</sub> = 10 μΑ	30	_	_	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> = 30 V	_	_	0.1	μΑ
Forward voltage	V <sub>F</sub>	I <sub>F</sub> = 50 mA	_	0.86	0.92	V
Capacitance	C <sub>T</sub>	V <sub>R</sub> = 1 V, f = 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

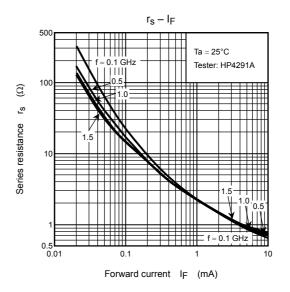
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Note: Signal level when capacitance is measured.  $V_{\text{Sig}}$  = 20 mVrms

## Marking







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