Unit: mm



TOSHIBA Diode Silicon Epitaxial Pin Type

# JDP2S01U

## 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:  $C_T = 0.7 pF$  (typ.)

# Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Reverse voltage	$V_{R}$	30	V
Forward current	l <sub>F</sub>	50	mA
Junction temperature	Tj	125	°C
Storage temperature range	T <sub>stg</sub>	-55~125	°C

# USC JEDEC — JEITA — TOSHIBA 1-1E1A

### Weight: 0.004 g (typ.)

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

Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Reverse voltage	$V_{R}$	Ι <sub>R</sub> = 10 μΑ	30	_	_	V
Reverse current	IR	V <sub>R</sub> = 30 V	_	_	0.1	μΑ
Forward voltage	VF	I <sub>F</sub> = 50 mA	_	0.9	0.95	V
Capacitance	CT	V <sub>R</sub> = 1 V, f = 1 MHz	_	0.7	0.9	pF
Series resistance	r <sub>S</sub>	I <sub>F</sub> = 10 mA, f = 100 MHz		0.65	1.0	Ω

Note: Signal level when capacitance is measured: Vsig = 20 mVrms

### Marking





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