Unit: mm

TOSHIBA Diode Silicon Epitaxial Pin Type

JDP2S04E

VHF~UHF 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 capacitance ratio: $C_T = 0.25 \text{ pF}$ (typ.)
- Low series resistance: $r_s = 3 \Omega$ (typ.)

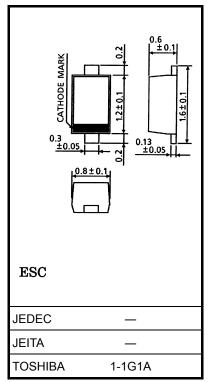
Absolute Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Reverse voltage	V _R	50	V
Forward current	١ _F	50	mA
Junction temperature	Tj	125	°C
Storage temperature range	T _{stg}	-55~125	°C

Note: Using continuously under heavy loads (e.g. the application of high temperature/current/voltage and the significant change in temperature, etc.) may cause this product to decrease in the reliability significantly even if the operating conditions (i.e. operating temperature/current/voltage, etc.) are within the absolute maximum ratings. Please design the appropriate reliability upon reviewing the Toshiba Semiconductor Reliability Handbook ("Handling

Precautions"/"Derating Concept and Methods") and individual

reliability data (i.e. reliability test report and estimated failure rate, etc).



Weight: 0.0014 g (typ.)

Electrical Characteristics (Ta = 25°C)

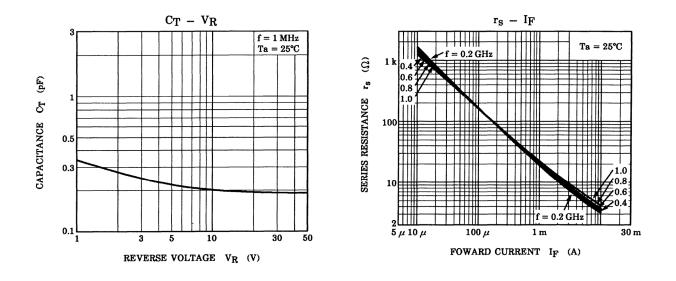
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse voltage	VR	I _R = 10 μA	50	_	_	V
Reverse current	I _R	V _R = 50 V	_	_	0.1	μA
Forward voltage	V _F	I _F = 50 mA	_	0.95	1.0	V
Capacitance	CT	V _R = 50 V, f = 1 MHz	_	0.25	0.4	pF
Series resistance	r _s	I _F = 10 mA, f = 100 MHz	_	3.0		Ω

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

Marking



TOSHIBA



RESTRICTIONS ON PRODUCT USE

20070701-EN GENERAL

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