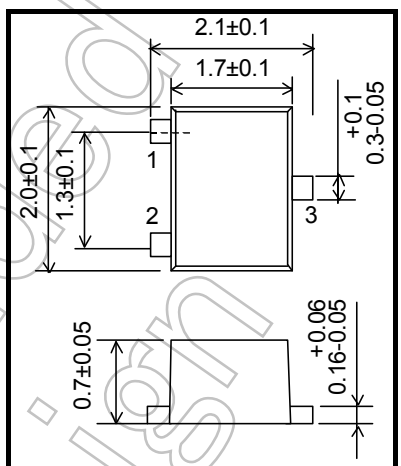
TOSHIBA Diode Silicon Epitaxial Pin Type

JDP3C04TU

VHF~UHF Band RF Attenuator Applications

- Useful for small size package
- Low capacitance: C_T = 0.3 pF (typ.)
- Low series resistance: r_s = 3.0 Ω (typ.)

Unit: mm



1.Anode1
2.Anode2
3.Cathode

UFM

JEDEC	—
JEITA	—
TOSHIBA	1-2Y1A

Weight: 6.6 mg (typ.)

Absolute Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Reverse voltage	V_R	50	V
Forward current	I_F	50	mA
Junction temperature	T_j	150	°C
Storage temperature range	T_{stg}	−55 to 150	°C

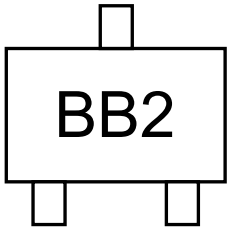
Note: Using continuously under heavy loads (e.g. the application of high temperature/current/voltage and the significant change in temperature, etc.) may cause this product to decrease in the reliability significantly even if the operating conditions (i.e. operating temperature/current/voltage, etc.) 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).

Electrical Characteristics (Ta = 25°C)

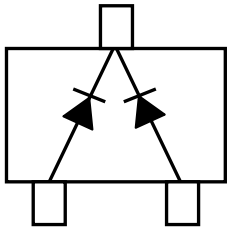
Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Reverse voltage	V_R	I_R = 10 μA	50	—	—	V
Reverse current	I_R	V_R = 50 V	—	—	0.1	μA
Forward voltage	V_F	I_F = 50 mA	—	0.92	1.0	V
Capacitance	C_T	V_R = 1 V, f = 1 MHz	—	0.3	—	pF
Series resistance	r_s	I_F = 10 mA, f = 100 MHz	—	3.0	—	Ω

Note: Signal level when capacitance is measured: Vsig = 100 mV_{rms}

Marking

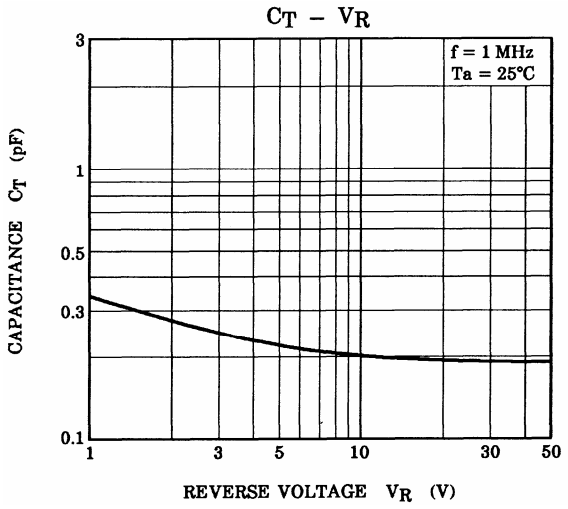


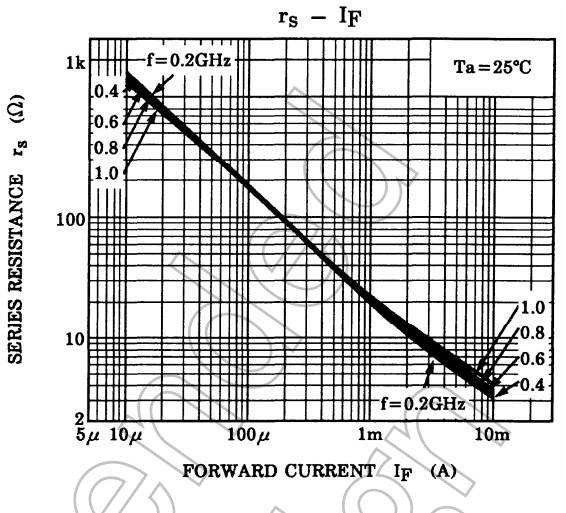
Pin Assignment



Start of commercial production
2005-12

Not Recommended for New Design





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