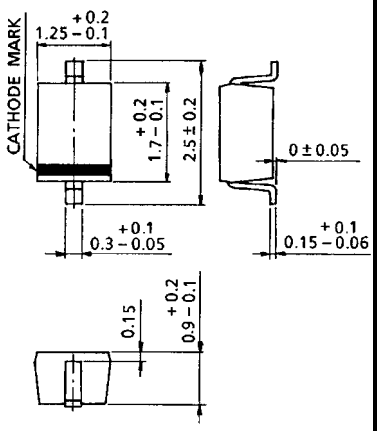
TOSHIBA Diode Silicon Epitaxial Pin Type

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 Ω (typ.)
- Low capacitance: C_T = 0.7 pF (typ.)

Unit: mm



USC

JEDEC	—
JEITA	—
TOSHIBA	1-1E1A

Weight: 0.004 g (typ.)

Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Reverse voltage	V_R	30	V
Forward current	I_F	50	mA
Junction temperature	T_j	125	°C
Storage temperature range	T_{stg}	−55~125	°C

Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Reverse voltage	V_R	I_R = 10 μA	30	—	—	V
Reverse current	I_R	V_R = 30 V	—	—	0.1	μA
Forward voltage	V_F	I_F = 50 mA	—	0.9	0.95	V
Capacitance	C_T	V_R = 1 V, f = 1 MHz	—	0.7	0.9	pF
Series resistance	r_s	I_F = 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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