TOSHIBA Diode Silicon Epitaxial Pin Type

JDP2S01U

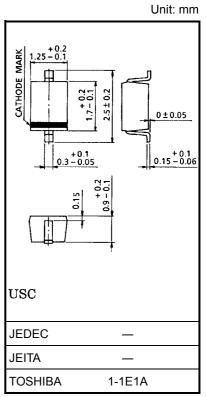
UHF~VHF Band RF Attenuator Applications

- 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: CT = 0.7 pF (typ.)

Maximum Ratings (Ta = 25°C)

Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Reverse voltage	V _R	30	V
Forward current	١ _F	50	mA
Junction temperature	Tj	125	°C
Storage temperature range	T _{stg}	-55~125	°C



Weight: 0.004 g (typ.)

0.65

1.0

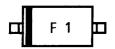
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Characteristics	Symbol	Test Condition	Min	Тур.	Max
Reverse voltage	V _R	I _R = 10 μA	30		
Reverse current	I _R	V _R = 30 V	_		0.1
Forward voltage	V _F	$I_F = 50 \text{ mA}$	_	0.9	0.95
Capacitance	CT	$V_R = 1 V$, f = 1 MHz	_	0.7	0.9

 $I_{F} = 10 \text{ mA}, f = 100 \text{ MHz}$

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

rs

Marking



Series resistance

Unit V μA V pF

Ω

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