TOSHIBA Diode Silicon Epitaxial Pin Type

JDP2S02S

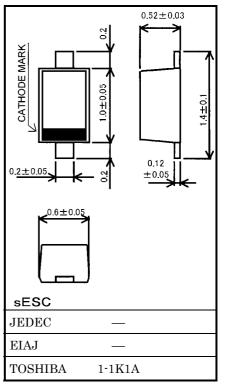
UHF~VHF Band RF Attenuator Applications

Unit in mm

- Suitable for reducing set's size as a result from enabling high-density mounting due to 2-pin small packages.
- Low series resistance: $r_s = 1.0 \Omega$ (typ.)
- Low capacitance: $C_T = 0.3 \text{ pF (typ.)}$

Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Reverse voltage	V_{R}	30	V
Forward current	I _F	50	mA
Junction temperature	Tj	150	°C
Storage temperature range	T _{stg}	-55~150	°C



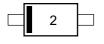
Weight: 0.0011 g

Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse voltage	V_{R}	I _R = 10 μA	30	_	_	V
Reverse current	I _R	V _R = 30 V	_	_	0.1	μΑ
Forward voltage	V _F	I _F = 50 mA	_	0.9	0.94	V
Capacitance	C _T	V _R = 1 V, f = 1 MHz	_	0.3	0.5	pF
Series resistance	r _s	I _F = 10 mA, f = 100 MHz	_	1.0	1.5	Ω

Note: Signal level when capacitance is measured. $V_{\text{sig}} = 20 \text{ mVrms}$

Marking



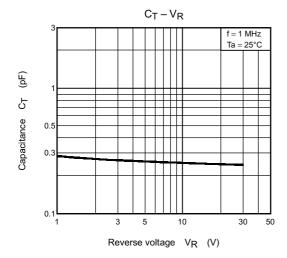
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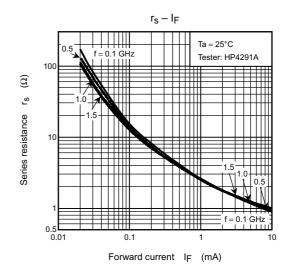
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