TOSHIBA Diode Silicon Epitaxial PIN Type

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JDP2S01AFS

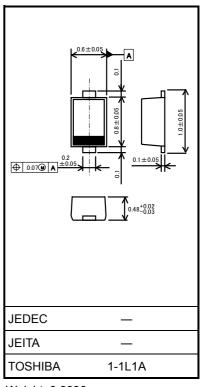
UHF~VHF Band RF Switch Applications

Unit: mm

- Suitable for reducing set's size as a result from enabling high-density mounting due to 2-pin small packages.
- Low series resistance: $r_s = 0.65\Omega(typ.)$
- Low capacitance: CT = 0.65 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: 0.0006 g

Electrical Characteristics (Ta = 25°C)

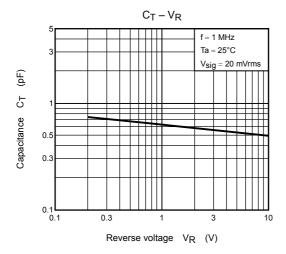
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse voltage	V_{R}	I _R = 10 μA	30	_	_	V
Reverse current	I _R	V _R = 30 V	_	_	0.1	μA
Forward voltage	V _F	I _F = 50 mA	_	0.86	0.92	V
Capacitance	C _T	V _R = 1 V, f = 1 MHz	_	0.65	0.8	pF
Series resistance	r _s	I _F = 10 mA, f = 100 MHz	_	0.65	1	Ω

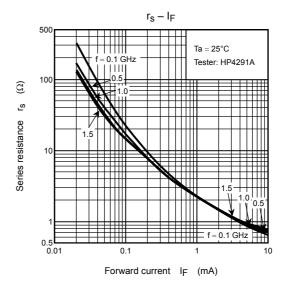
Note: Signal level when capacitance is measured. V_{Sig} = 100 mVrms

Marking



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