TOSHIBA Diode Silicon Epitaxial PIN Type

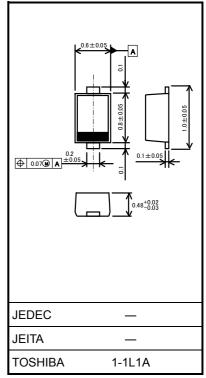
JDP2S02AFS

UHF~VHF Band RF Switch Applications

- Suitable for reducing set's size as a result from enabling high-density mounting due to 2-pin small packages.
- Low series resistance: $r_s = 1.0 \Omega$ (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	١ _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	VF	I _F = 50 mA		0.9	0.94	V
Capacitance	CT	V _R = 1 V, f = 1 MHz		0.3	0.4	pF
Series resistance	r _s	I _F = 10 mA, f = 100 MHz	_	1.0	1.5	Ω

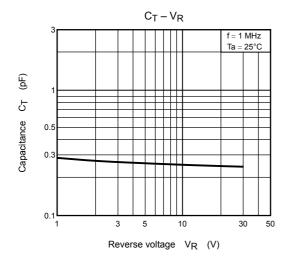
Note: Signal level when capacitance is measured. V_{sig} = 100 mVrms

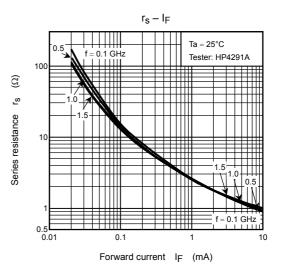
Marking



Unit: mm

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