

TOSHIBA Diode Silicon Epitaxial PIN Type

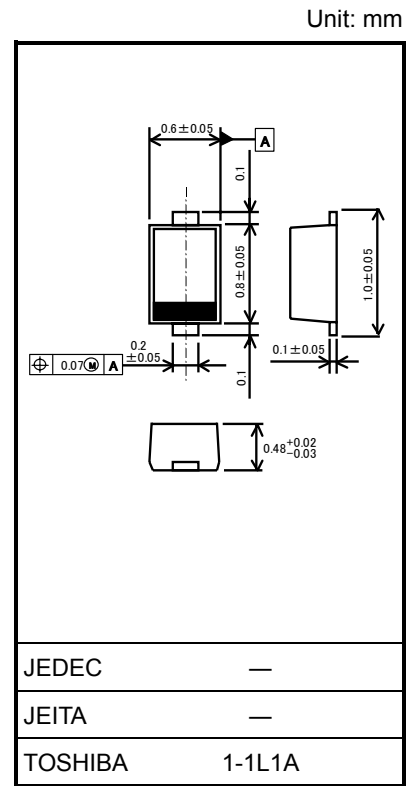
JDP2S01AFS

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: $r_s = 0.65\Omega$ (typ.)
- Low capacitance: $C_T = 0.65$ 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	T_j	150	°C
Storage temperature range	T_{stg}	-55~150	°C



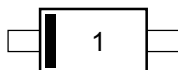
Weight: 0.0006 g

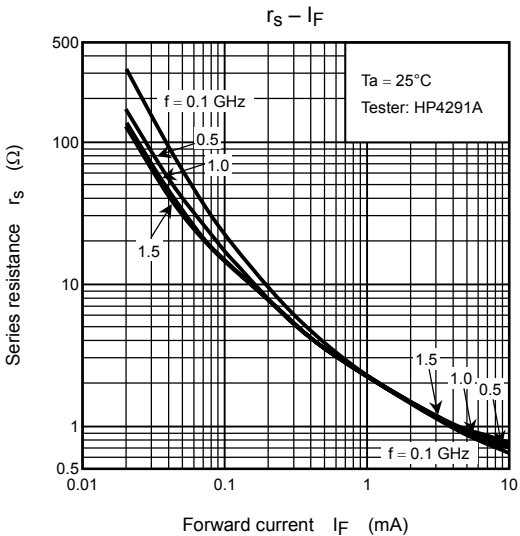
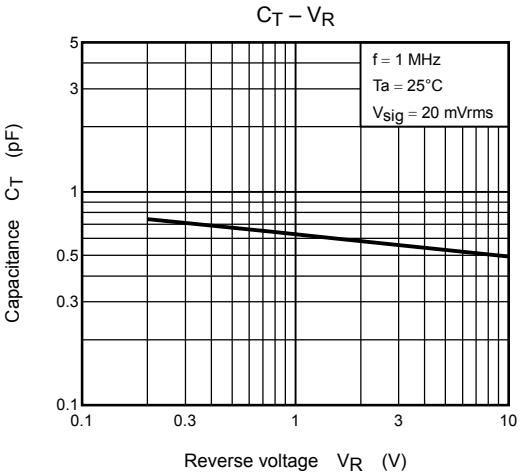
Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Reverse voltage	V_R	$I_R = 10 \mu A$	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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