

JDP2S05CT

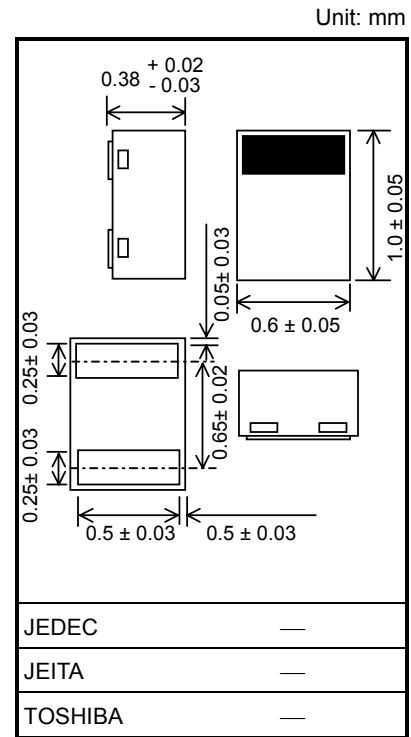
UHF~VHF Band RF Switch Applications

- Suitable for reducing set's size as a result from enabling high-density mounting due to 2-pin small packages.
- Low series resistance: $r_s = 1.5 \Omega$ (typ.)
- Low capacitance: $C_T = 0.32 \text{ pF}$ (typ.)

Maximum Ratings ($T_a = 25^\circ\text{C}$)

Characteristics	Symbol	Rating	Unit
Reverse voltage	V_R	20	V
Forward current	I_F	50	mA
Junction temperature	T_j	150	$^\circ\text{C}$
Power dissipation(Note1)	PD	150	mW
Storage temperature range	T_{stg}	-55~150	$^\circ\text{C}$

Note1: When mounted on glass epoxy board
 board size : 20mm × 20mm × 1.6mmt
 Cu foot area : 4mm × 4mm × 0.035mmt



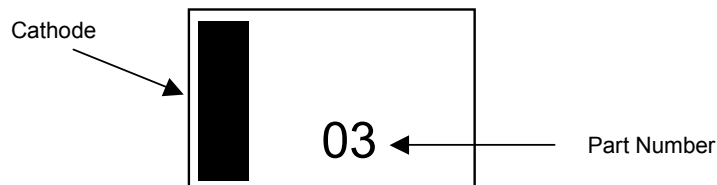
Weight: 0.00077g(Typ.)

Electrical Characteristics ($T_a = 25^\circ\text{C}$)

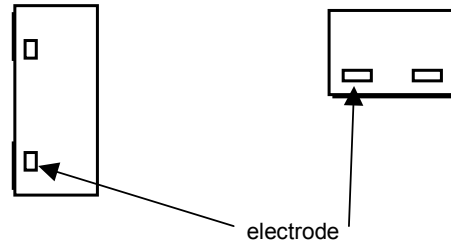
Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Reverse voltage	V_R	$I_R = 0.1 \mu\text{A}$	20	—	—	V
Reverse current	I_R	$V_R = 20 \text{ V}$	—	—	0.1	μA
Forward voltage	V_F	$I_F = 50 \text{ mA}$	—	—	0.94	V
Capacitance(Note2)	C_T	$V_R = 1 \text{ V}, f = 1 \text{ MHz}$	0.21	0.32	0.42	pF
Series resistance	r_s	$I_F = 1 \text{ mA}, f = 100 \text{ MHz}$	—	1.5	2.2	Ω

Note2: Signal level when capacitance is measured. $V_{sig} = 100 \text{ mVrms}$.

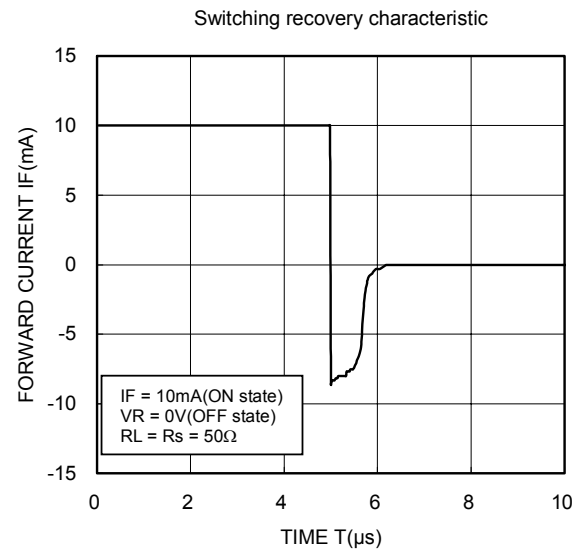
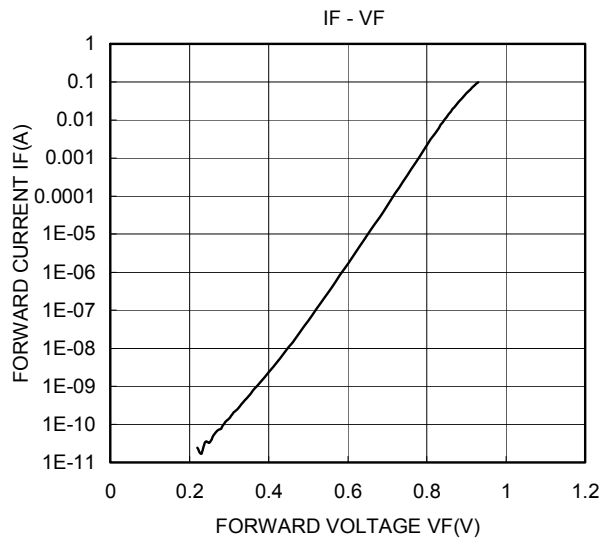
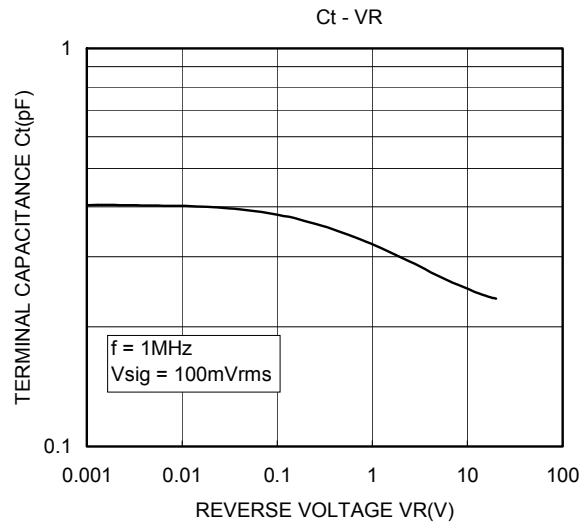
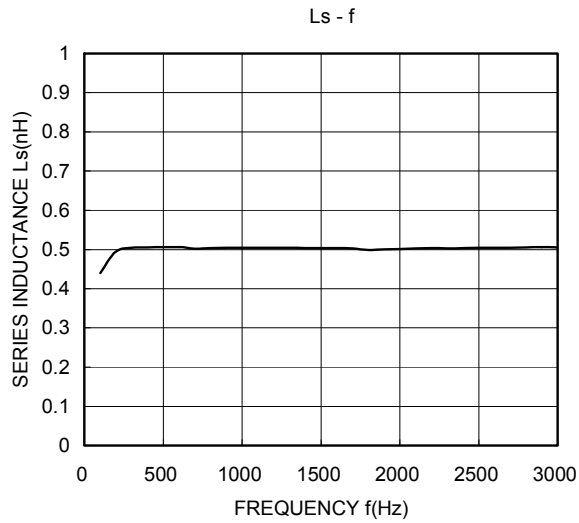
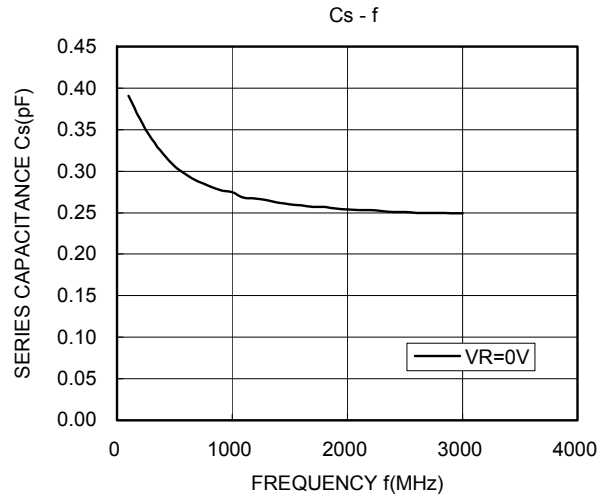
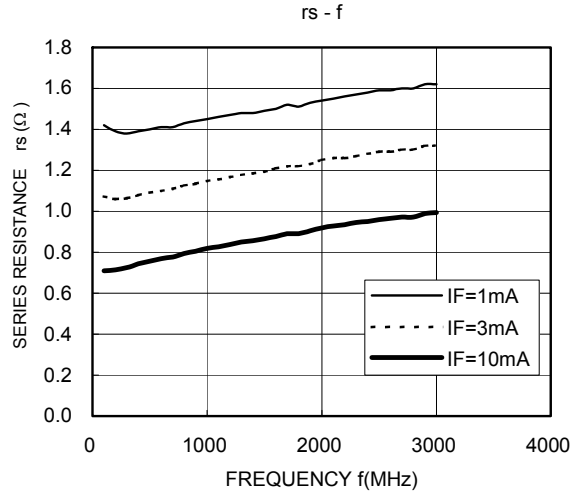
Marking

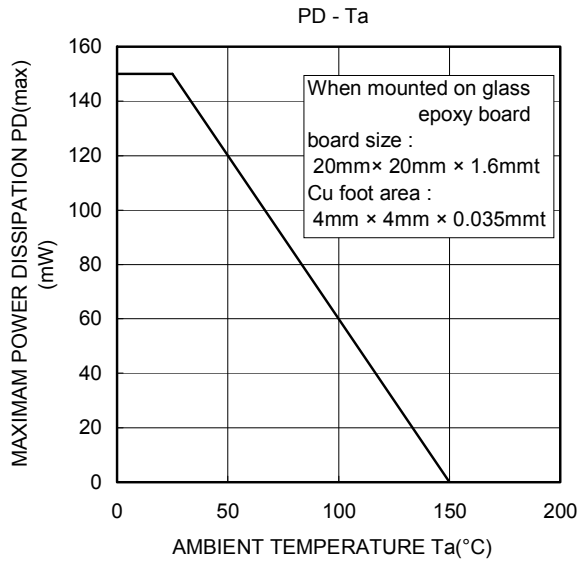


Note3: This package has 2 exposed electrodes on each side because of the manufacturing process.



TYPICAL PERFORMANCE CURVES (Ta = 25°C)





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