TOSHIBA Diode Silicon Epitaxial PIN Type

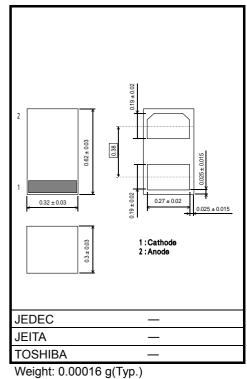
JDP2S08SC

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 = 0.25 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

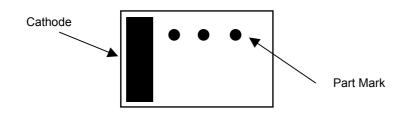


Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse voltage	VR	I _R = 10 μA	30	—		V
Reverse current	I _R	V _R = 30 V	_	_	0.1	μA
Forward voltage	VF	I _F = 50 mA	_	0.89	0.95	V
Capacitance(Note2)	CT	V _R = 1 V, f = 1 MHz	_	0.25	0.4	pF
Series resistance	r _s	I _F = 10 mA, f = 100 MHz	_	1.0	1.5	Ω

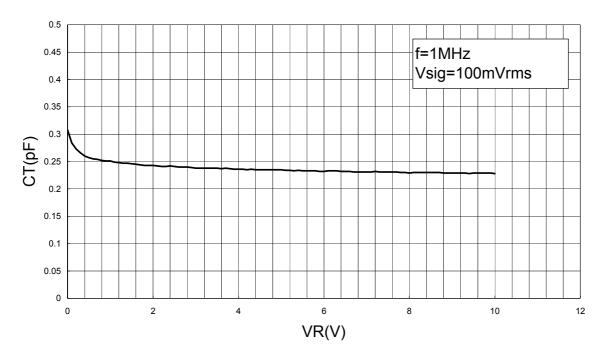
Note1: Signal level when capacitance is measured. V_{sig} = 100 mVrms

Marking

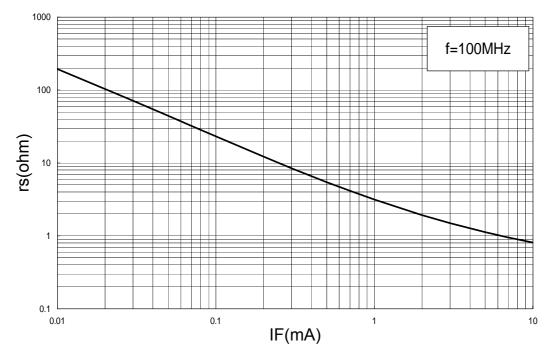


Unit:mm









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