TOSHIBA Diode Silicon Epitaxial Pin Type

JDP2S01T

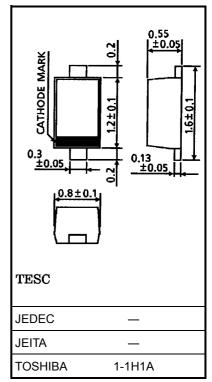
UHF~VHF Band RF Attenuator Applications

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	125	°C	
Storage temperature range	T _{stg}	-55~125	°C	



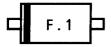
Weight: 0.0013 g (typ.)

Electrical Characteristics (Ta = 25°C)

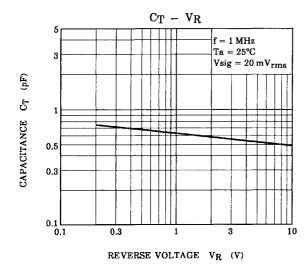
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse voltage	V_{R}	$I_R = 10 \mu A$	30	_	_	V
Reverse current	I _R	V _R = 30 V	_	_	0.1	μΑ
Forward voltage	V _F	I _F = 50 mA	_	0.87	0.95	V
Capacitance	C _T	V _R = 1 V, f = 1 MHz	_	0.65	0.8	pF
Series resistance	r _s	I _F = 10 mA, f = 100 MHz		0.65	1.0	Ω

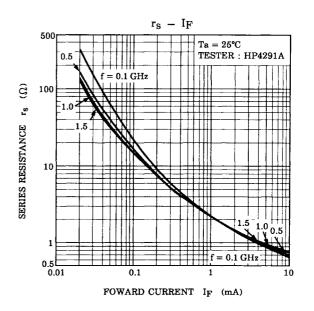
Note: Signal level when capacitance is measured: Vsig = 20 mVrms

Marking



1 2003-03-24





2 2003-03-24

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