Unit: mm

TOSHIBA Diode Silicon Epitaxial Pin Type

1SV237

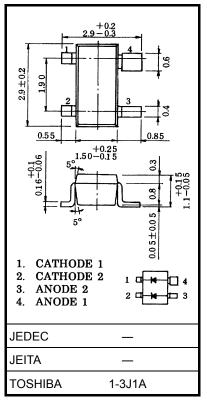
VHF~UHF Band RF Attenuator Applications

Absolute Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Reverse voltage	V _R	50	V
Forward current	١ _F	50	mA
Junction temperature	Tj	125	°C
Storage temperature range	T _{stg}	-55~125	°C

Note: Using continuously under heavy loads (e.g. the application of high temperature/current/voltage and the significant change in temperature, etc.) may cause this product to decrease in the reliability significantly even if the operating conditions (i.e. operating temperature/current/voltage, etc.) are within the absolute maximum ratings.

Please design the appropriate reliability upon reviewing the Toshiba Semiconductor Reliability Handbook ("Handling Precautions"/"Derating Concept and Methods") and individual reliability data (i.e. reliability test report and estimated failure rate, etc).



Weight: 0.013 g (typ.)

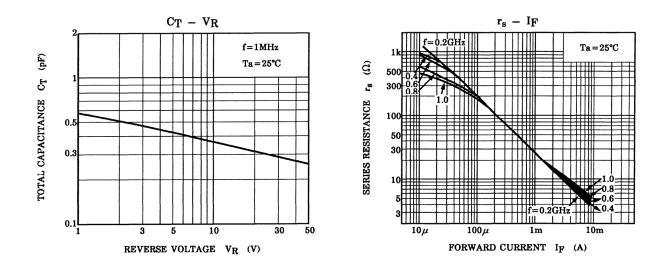
Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse voltage	V _R	I _R = 10 μA	50	_	_	V
Reverse current	I _R	V _R = 50 V	_	_	0.1	μA
Forward voltage	VF	I _F = 50 mA	_	0.95	—	V
Total capacitance	CT	V _R = 50 V, f = 1 MHz	_	0.25	—	pF
Series resistance	r _s	I _F = 10 mA, f = 100 MHz		4		Ω

Marking



TOSHIBA



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20070701-EN GENERAL

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