TOSHIBA Diode Silicon Epitaxial Pin Type

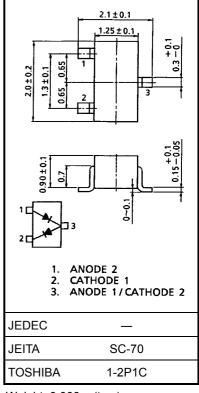
1SV252

VHF~UHF Band RF Attenuator Applications

Unit: mm

Maximum Ratings (Ta = 25°C)

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



Weight: 0.006 g (typ.)

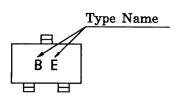
Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse voltage	V _R	$I_R = 10 \mu A$	50	_	_	V
Reverse current	I _R	V _R = 50 V	_	_	0.1	μА
Forward voltage	V _F	I _F = 50 mA	_	0.93	0.98	V
Total capacitance (Note)	C _T	V _R = 50 V, f = 1 MHz	_	0.2	0.4	pF
Series resistance	r _S	I _F = 10 mA, f = 100 MHz	_	3.5	10	Ω

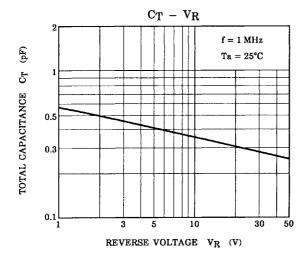
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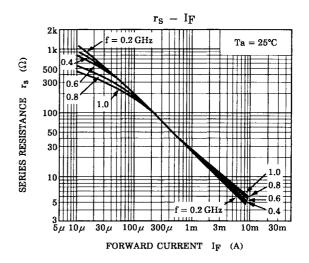
Note: C_T is measured by 3 terminal method with capacitance bridge.

Marking



2003-03-24





2 2003-03-24

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