TOSHIBA Diode Silicon Epitaxial Pin Type

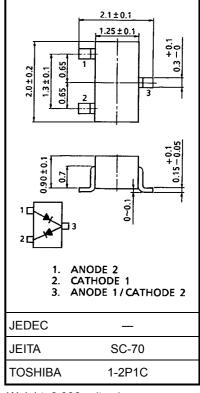
# 1SV252

# 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 <sub>F</sub>	50	mA
Junction temperature	Tj	125	°C
Storage temperature range	T <sub>stg</sub>	-55~125	°C



Weight: 0.006 g (typ.)

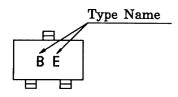
# **Electrical Characteristics (Ta = 25°C)**

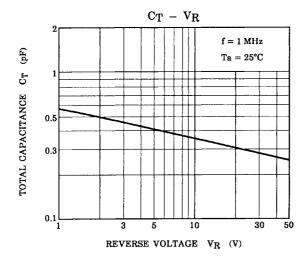
Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse voltage	$V_{R}$	$I_R = 10 \mu A$	50	_	_	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> = 50 V	_	_	0.1	μΑ
Forward voltage	V <sub>F</sub>	I <sub>F</sub> = 50 mA	_	0.93	0.98	V
Total capacitance (Note)	C <sub>T</sub>	V <sub>R</sub> = 50 V, f = 1 MHz	_	0.2	0.4	pF
Series resistance	r <sub>S</sub>	I <sub>F</sub> = 10 mA, f = 100 MHz	_	3.5	10	Ω

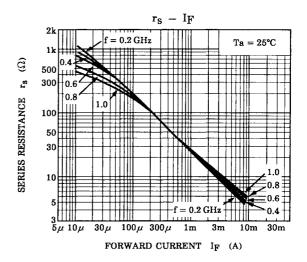
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Note: C<sub>T</sub> is measured by 3 terminal method with capacitance bridge.

### Marking







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