

TOSHIBA Diode Silicon Epitaxial Pin Type

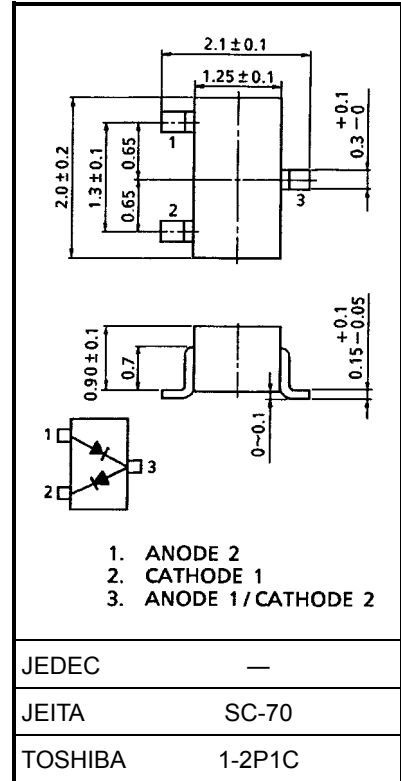
# 1SV252

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	$T_j$	125	°C
Storage temperature range	$T_{stg}$	-55~125	°C



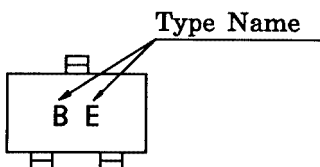
Weight: 0.006 g (typ.)

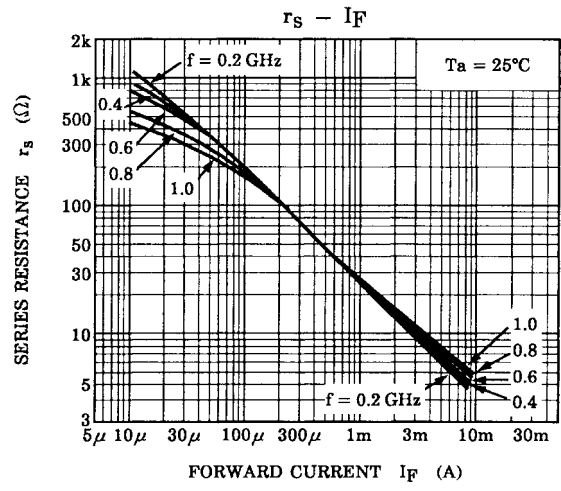
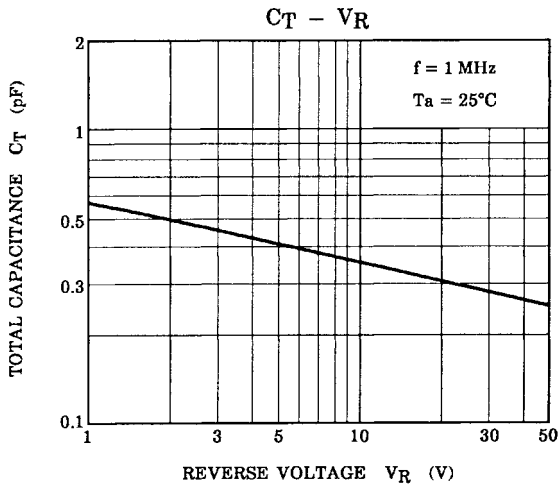
## Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Reverse voltage	$V_R$	$I_R = 10 \mu A$	50	—	—	V
Reverse current	$I_R$	$V_R = 50 V$	—	—	0.1	$\mu A$
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	$\Omega$

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

## Marking





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