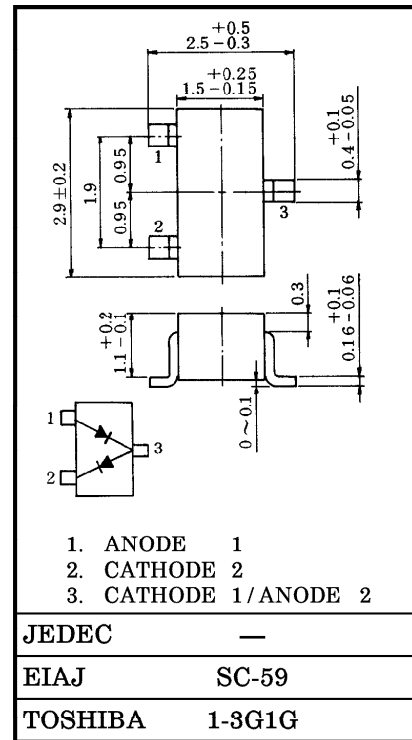


TOSHIBA DIODE SILICON EPITAXIAL PIN TYPE

# 1SV172

VHF~UHF BAND RF ATTENUATOR APPLICATIONS.

Unit in mm



**MAXIMUM RATINGS (Ta = 25°C)**

CHARACTERISTIC	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

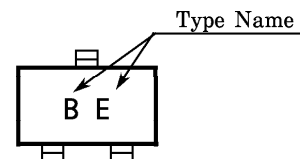
Weight : 0.013g

**ELECTRICAL CHARACTERISTICS (Ta = 25°C)**

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	$V_R$	$I_R = 10\mu A$	50	—	—	V
Reverse Current	$I_R$	$V_R = 50V$	—	—	0.1	$\mu A$
Forward Voltage	$V_F$	$I_F = 50mA$	—	0.95	—	V
Total Capacitance (Note)	$C_T$	$V_R = 50V, f = 1MHz$	—	0.25	—	pF
Series Resistance	$r_s$	$I_F = 10mA, f = 100MHz$	—	7	—	$\Omega$

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

**Marking**



961001EAA2

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