

TOSHIBA Diode Silicon Epitaxial Schottky Barrier Type

1SS154

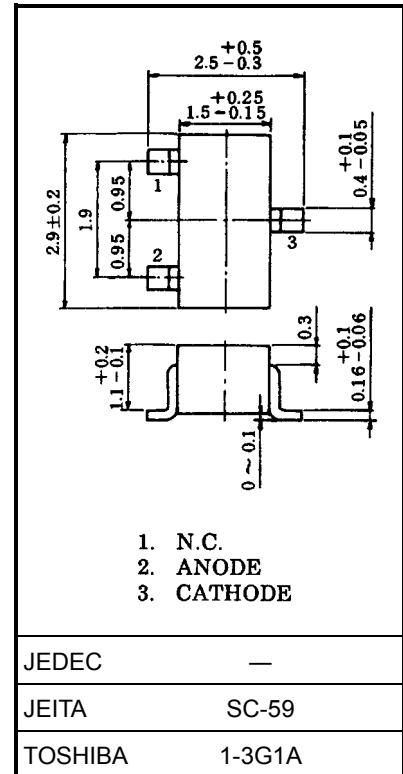
UHF~S Band Mixer/Detector Applications

Unit: mm

- Small package.

Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Reverse voltage	V_R	6	V
Forward current	I_F	30	mA
Junction temperature	T_j	125	°C
Storage temperature range	T_{stg}	-30~125	°C

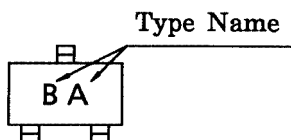


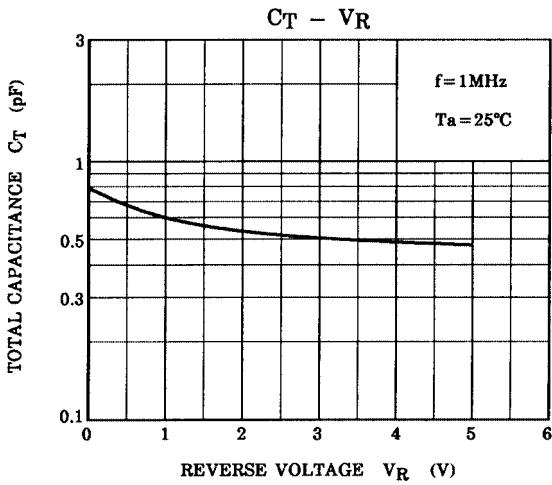
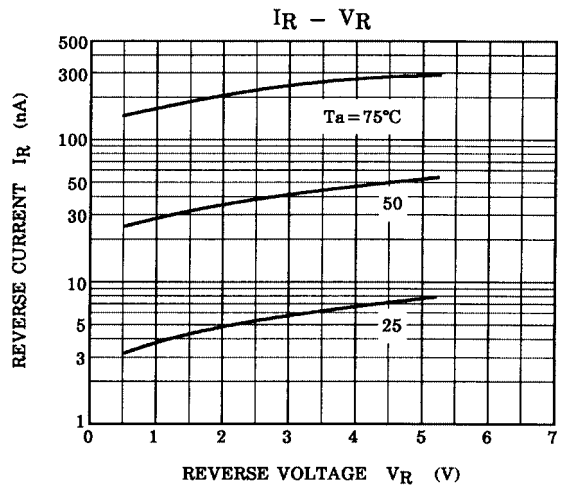
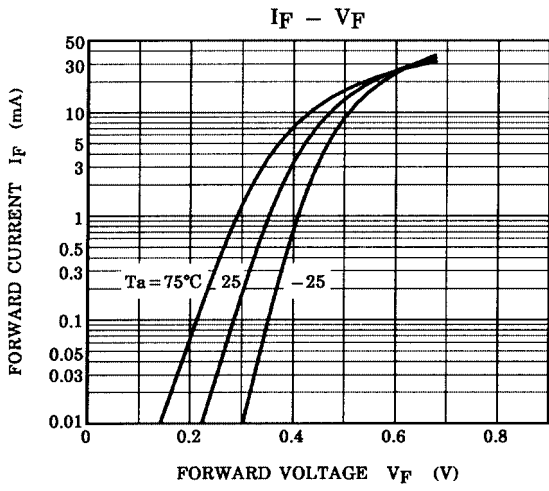
Electrical Characteristics (Ta = 25°C)

Weight: 0.012 g (typ.)

Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Reverse voltage	V_R	$I_R = 10 \mu A$	6	—	—	V
Reverse current	I_R	$V_R = 5 V$	—	—	0.5	μA
Forward voltage	$V_F (1)$	$I_F = 0.1 mA$	—	—	0.35	V
Forward voltage	$V_F (2)$	$I_F = 10 mA$	—	0.5	—	V
Total capacitance	C_T	$V_R = 0, f = 1 MHz$	—	0.8	—	pF

Marking





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