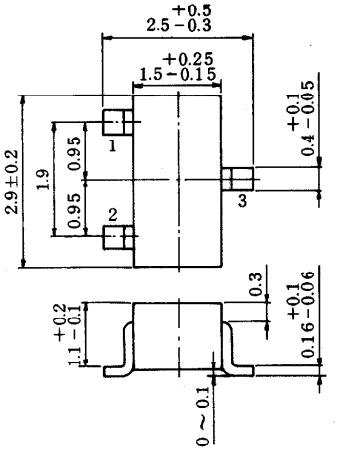
TOSHIBA DIODE SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

1SS154

UHF~S BAND MIXER / DETECTOR APPLICATIONS

Unit in mm

- Small Package.



1. N.C.
2. ANODE
3. CATHODE

JEDEC	—
EIAJ	SC-59
TOSHIBA	1-3G1A

Weight : 0.012g

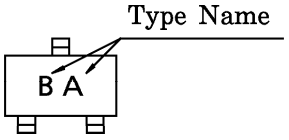
MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	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)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	V_R	$I_R = 10\mu A$	6	—	—	V
Reverse Current	I_R	$V_R = 5V$	—	—	0.5	μA
Forward Voltage	$V_{F(1)}$	$I_F = 0.1mA$	—	—	0.35	V
Forward Voltage	$V_{F(2)}$	$I_F = 10mA$	—	0.5	—	V
Total Capacitance	C_T	$V_R = 0$, f = 1MHz	—	0.8	—	pF

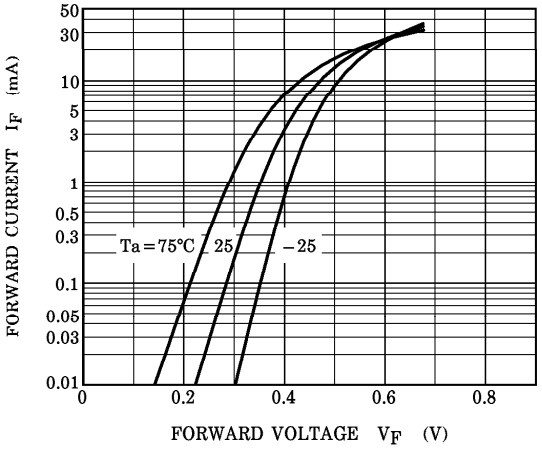
Marking



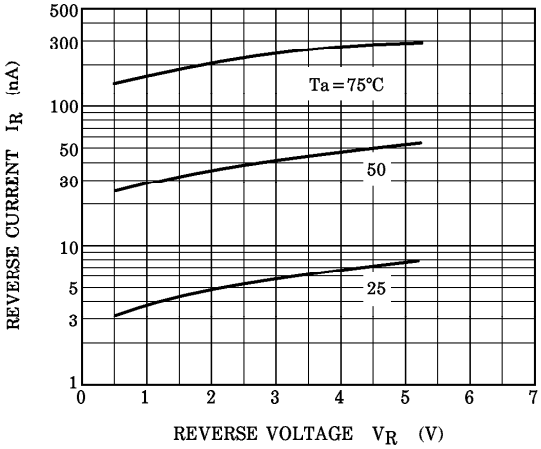
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$I_F - V_F$



$I_R - V_R$



$C_T - V_R$

