

9097250 TOSHIBA (DISCRETE/OPTO)

67C 09297 D. F-01-09

**1S1553~1S1555**

Silicon Epitaxial Planar Type

Diode

GENERAL PURPOSE APPLICATION FOR DETECTOR  
AND RECTIFIER.

## FEATURES:

- Low Forward Voltage :  $V_F=1.0V$  (Typ.)
- Small Total Capacitance :  $C_T=1.3pF$  (Typ.)

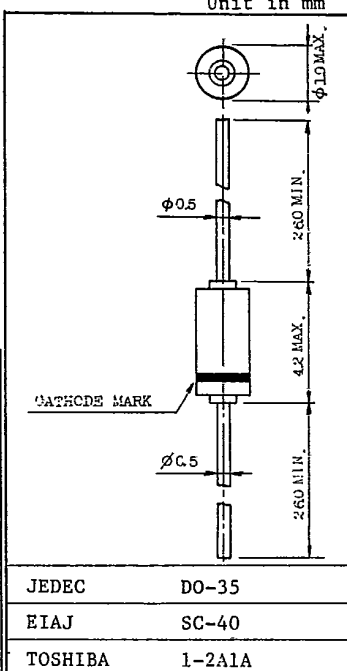
MAXIMUM RATINGS ( $T_a=25^\circ C$ )

CHARACTERISTIC		SYMBOL	RATING	UNIT
Maximum (Peak) Reverse Voltage	1S1553	$V_{RM}$	70	V
	1S1554		55	
	1S1555		35	
Reverse Voltage	1S1553	$V_R$	60	V
	1S1554		50	
	1S1555		30	
Maximum (Peak) Forward Current		$I_{FM}$	300	mA
Average Forward Current		$I_O$	100	mA
Surge Current (1 sec)		$I_{FSM}$	1	A
Power Dissipation		P	300	mW
Junction Temperature		$T_j$	150	$^\circ C$
Storage Temperature Range		$T_{stg}$	-65~150	$^\circ C$

ELECTRICAL CHARACTERISTICS ( $T_a=25^\circ C$ )

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage		$V_F$	$I_F=100mA$	-	1.0	1.4	V
Reverse Current	1S1553	$I_R$	$V_R=60V$	-	-	0.5	$\mu A$
	1S1554		$V_R=50V$				
	1S1555		$V_R=30V$				
Total Capacitance		$C_T$	$V_R=0$ $f=1MHz$	-	1.3	3.5	pF

Unit in mm



Weight : 0.14g

## Marking

1S1553



1S1554



1S1555

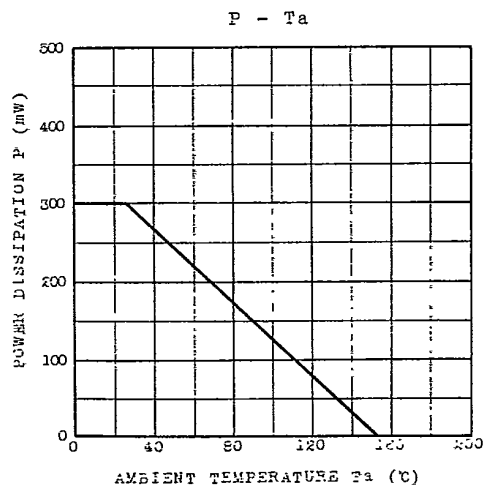
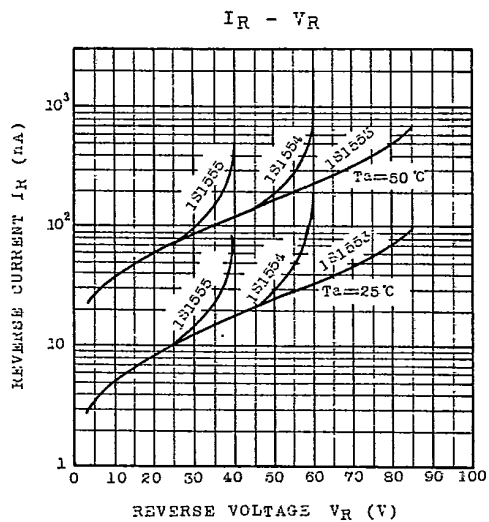
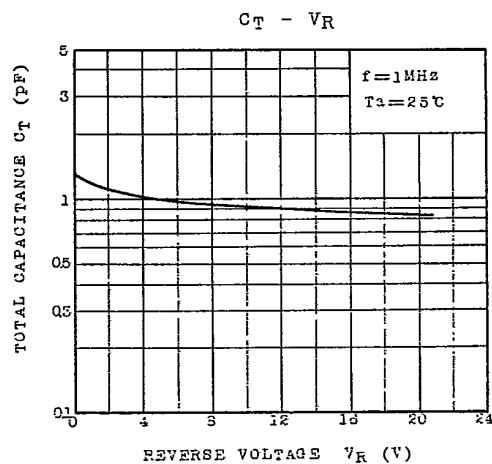
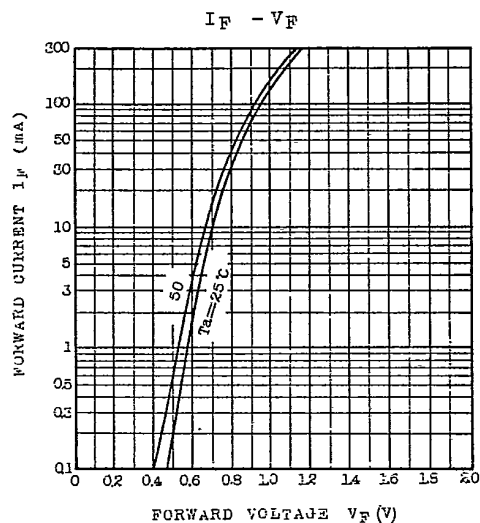


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TOSHIBA CORPORATION

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