

TOSHIBA (DISCRETE/OPTO)

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9097250 TOSHIBA (DISCRETE/OPTO)

67C 09297 D.F-01-09

# 1S1553~1S1555

Silicon Epitaxial Planar Type  
Diode

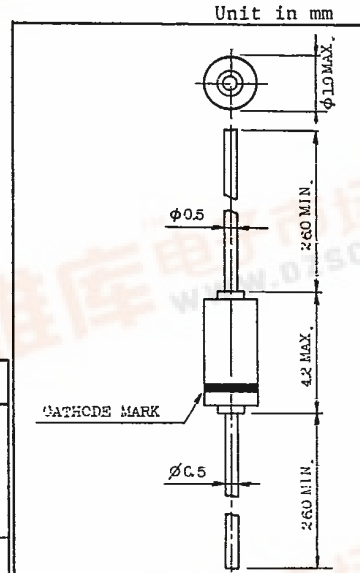
GENERAL PURPOSE APPLICATION FOR DETECTOR  
AND RECTIFIER.

FEATURES:

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

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

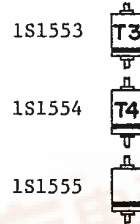
CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum (Peak) Reverse Voltage	1S1553	70	V
	1S1554	55	
	1S1555	35	
Reverse Voltage	1S1553	60	V
	1S1554	50	
	1S1555	30	
Maximum (Peak) Forward Current	$I_{FM}$	300	mA
Average Forward Current	$I_O$	100	mA
Surge Current (1 sec)	$I_{FSM}$	1	A
Power Dissipation	P	300	mW
Junction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



JEDEC	DO-35
EIAJ	SC-40
TOSHIBA	1-2A1A

Weight : 0.14g

Marking



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	$V_R=60V$	-	-	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

TOSHIBA CORPORATION



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