

TOSHIBA DIODE SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

# 1SS384

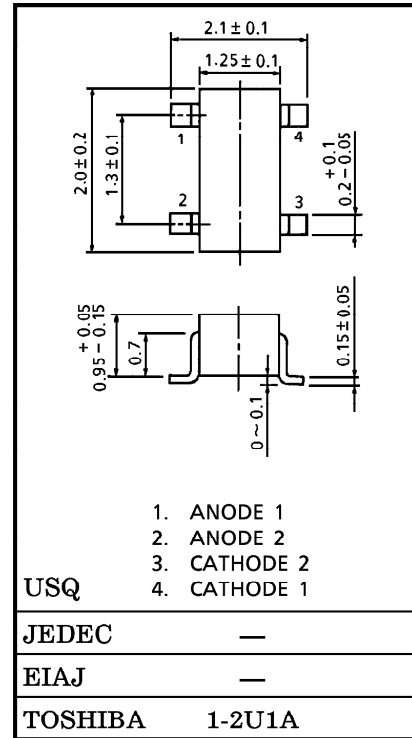
LOW VOLTAGE HIGH SPEED SWITCHING

Unit in mm

- Small Package
- Composed of 2 independent diodes.
- Low Forward Voltage :  $V_F(2) = 0.23V$  (TYP.) @  $I_F = 5mA$

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum (Peak) Reverse Voltage	$V_{RM}$	15	V
Reverse Voltage	$V_R$	10	V
Maximum (Peak) Forward Current	$I_{FM}$	200 ※	mA
Average Forward Current	$I_O$	100 ※	mA
Surge Current (10ms)	$I_{FSM}$	1	A
Power Dissipation	$P$	100 ※	mW
Junction Temperature	$T_j$	125	°C
Storage Temperature Range	$T_{stg}$	-55~125	°C
Operating Temperature Range	$T_{opr}$	-40~100	°C



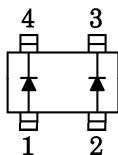
Weight : 0.006g

※ Unit Rating. Total Rating=Unit Rating×1.5

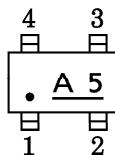
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_F(1)$	$I_F = 1mA$	—	0.18	—	V
	$V_F(2)$	$I_F = 5mA$	—	0.23	0.30	V
	$V_F(3)$	$I_F = 100mA$	—	0.35	0.50	V
Reverse Current	$I_R$	$V_R = 10V$	—	—	20	$\mu A$
Total Capacitance	$C_T$	$V_R = 0, f = 1MHz$	—	20	40	pF

PIN ASSIGNMENT (TOP VIEW)

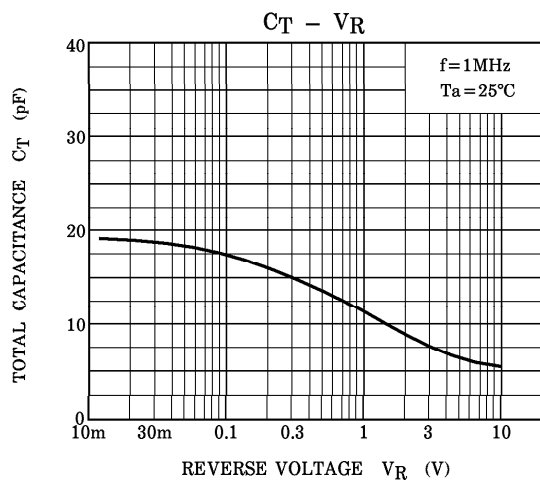
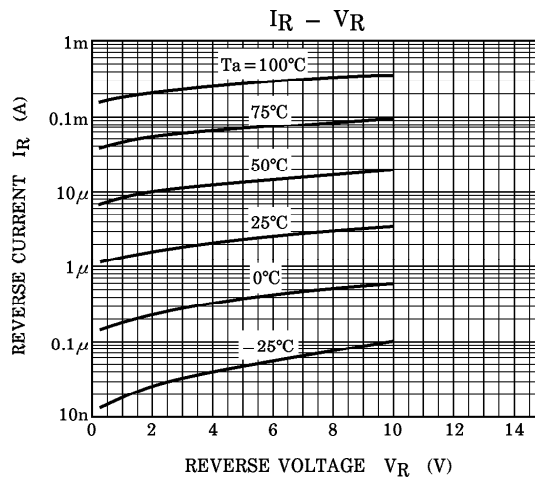
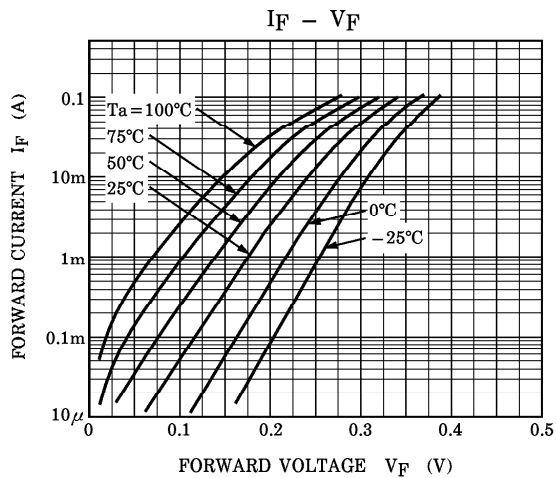


MARKING



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