

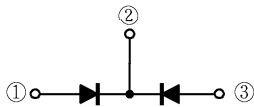
TOSHIBA SCHOTTKY BARRIER RECTIFIER STACK SCHOTTKY BARRIER TYPE

U1GWJ2C49

SWITCHING TYPE POWER SUPPLY APPLICATION  
CONVERTER & CHOPPER APPLICATION

- Average Output Rectified Current :  $I_O=1A$
- Repetitive Peak Reverse Voltage :  $V_{RRM}=40V$
- Low Switching Losses and Output Noise.

POLARITY



MAXIMUM RATINGS

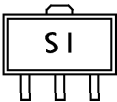
CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	40	V
Average Output Rectified Current	$I_O$	1	A
Peak One Cycle Surge Forward Current (Sine Wave)	$I_{FSM}$	15 (50Hz) 16.5 (60Hz)	A
Junction Temperature	$T_j$	-40~125	°C
Storage Temperature Range	$T_{stg}$	-40~150	°C

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

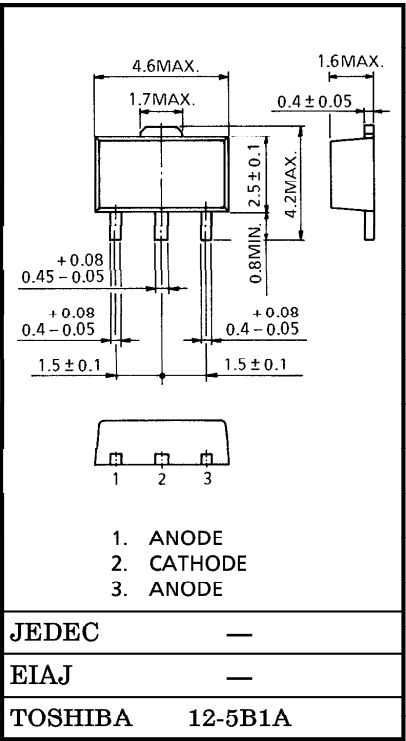
CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX.	UNIT
Peak Forward Voltage (Note 1)	$V_{FM}$	$I_{FM}=0.5A$	—	0.55	V
Repetitive Peak Reverse Current (Note 1)	$I_{RRM}$	$V_{RRM}=40V$	—	0.5	mA
Junction Capacitance (Note 1)	$C_j$	$V_R=10V, f=1MHz$	25	—	pF
Thermal Resistance (Junction to Ambient)	$R_{th(j-a)}$	DC (250mm *0.8mm Ceramic)	—	125	°C/W

Note 1 : A value of one cell.

Marking



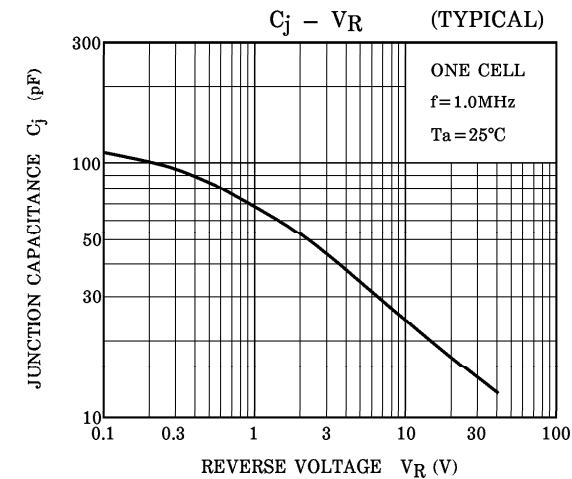
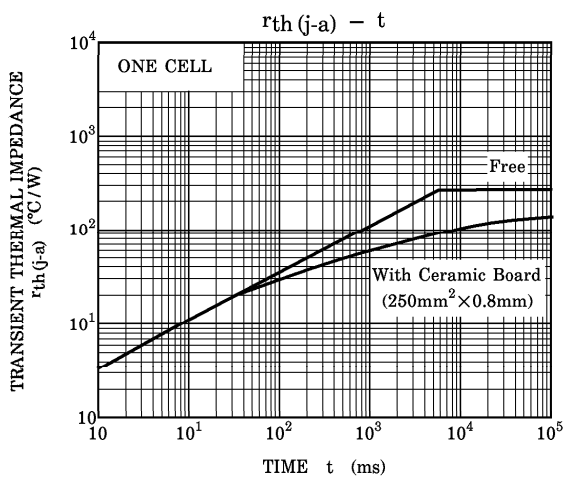
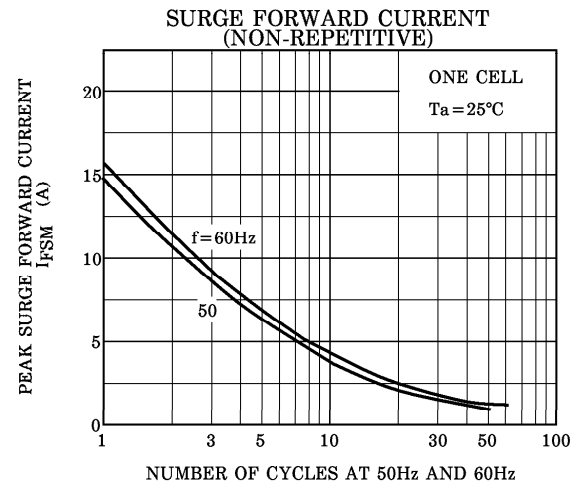
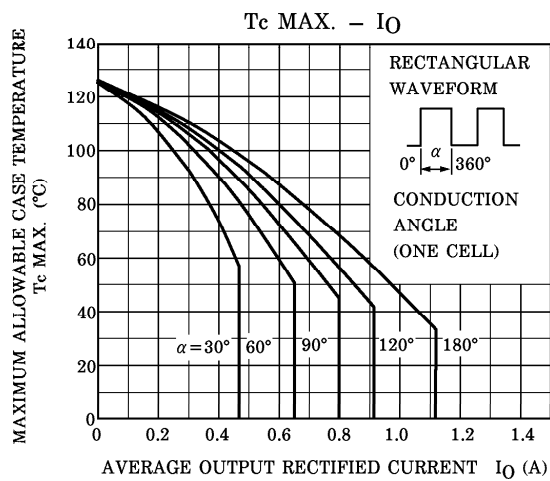
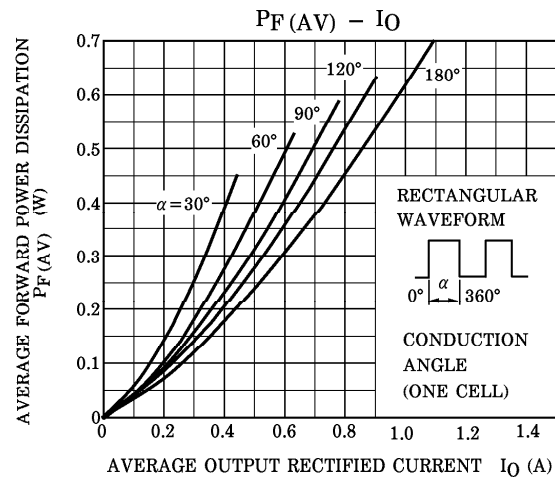
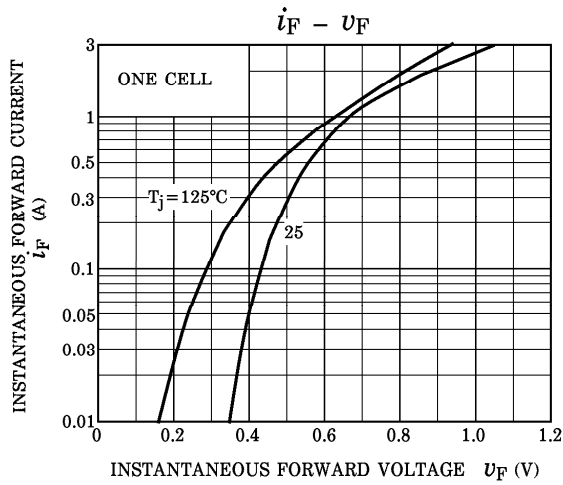
Unit in mm



JEDEC	—
EIAJ	—
TOSHIBA	12-5B1A
Weight	: 0.05g

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