

TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

**U2GWJ44**

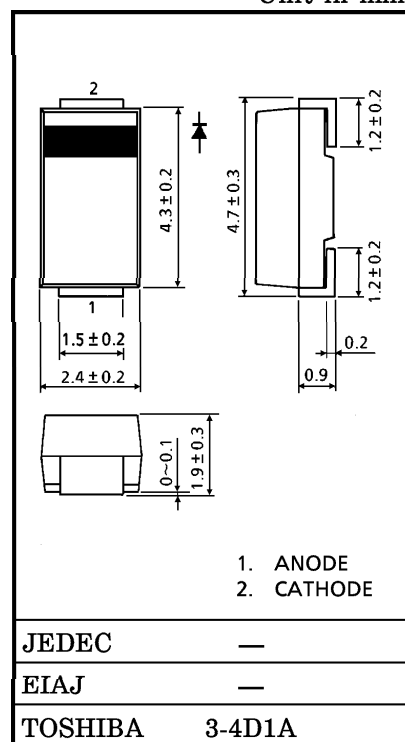
SWITCHING POWER SUPPLY APPLICATION

Unit in mm

- Low Forward Voltage :  $V_{FM}=0.55V$  (Max.)
- Average Forward Current :  $I_F(AV)=2.0A$
- Repetitive Peak Reverse Voltage :  $V_{RRM}=40V$
- Surface Mounting Plastic Mold Package

## MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	40	V
Average Forward Current	$I_F(AV)$	2.0	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	$I_{FSM}$	40 (50Hz)	A
Junction Temperature	$T_j$	-40~125	°C
Storage Temperature Range	$T_{stg}$	-40~125	°C

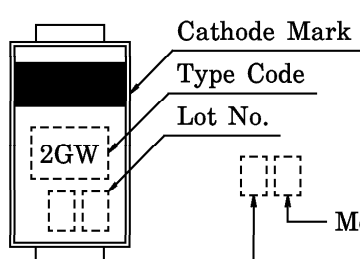
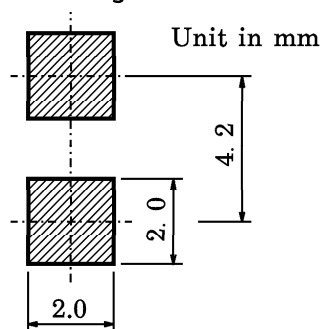
ELECTRICAL CHARACTERISTICS ( $T_a = 25^\circ C$ )

Weight : 0.06g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM}=2.0A$	—	—	0.55	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM}=40V$	—	—	500	$\mu A$
Junction Capacitance	$C_j$	$V_R=10V, f=1.0MHz$	—	125	—	pF
Thermal Resistance (Junction to Ambient)	$r_{th(j-a)}$	On ceramic substrate	—	—	60	°C/W
		On glass-epoxy substrate	—	—	145	

## Standard Soldering Pad

## MARKING



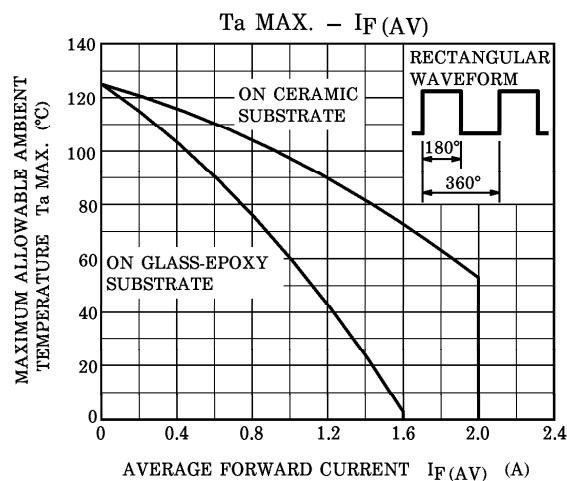
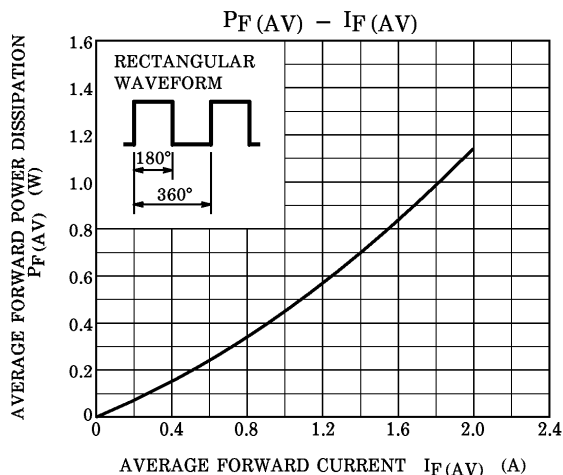
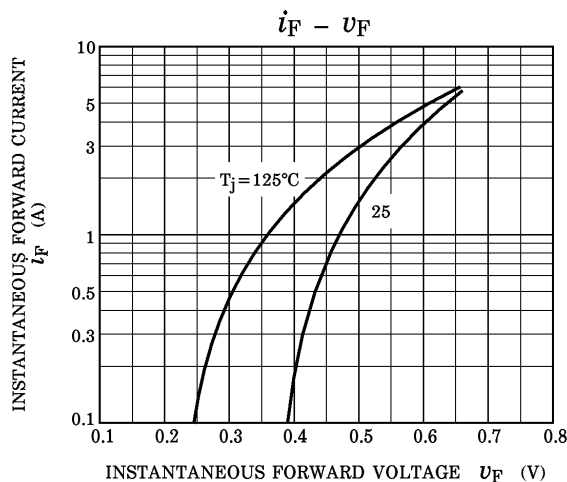
Code	Type
2GW	U2GWJ44

Month (Starting from Alphabet A)

Year (Last Number of the Christian Era)

961001EAA2

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	ON CERAMIC SUBSTRATE	ON GLASS-EPOXY SUBSTRATE
Soldering land : a	2mm × 2mm	6mm × 6mm
Substrate size : b	50mm × 50mm	50mm × 50mm
Substrate thickness : c	0.64mm	1.6mm

