

TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

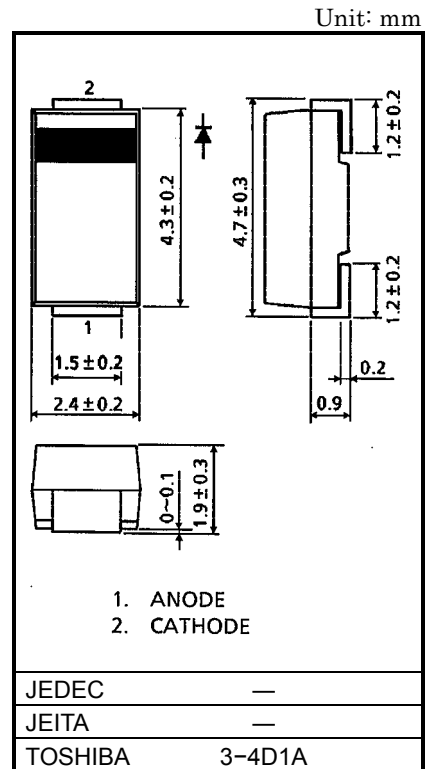
U1GWJ44

HIGH SPEED RECTIFIER APPLICATIONS

- Average Forward Current : $I_F (AV) = 1.0A$
- Low Forward Voltage : $V_{FM} = 0.55V$ (Max)
- Surface Mounting Plastic Mold Package

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

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Average Forward Current	$I_F (AV)$	1.0	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	25 (50 Hz) 27 (60 Hz)	A
Junction Temperature	T_j	-40~125	$^\circ C$
Storage Temperature Range	T_{stg}	-40~125	$^\circ C$

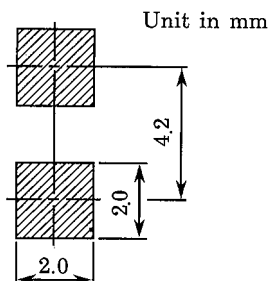


Weight: 0.06g

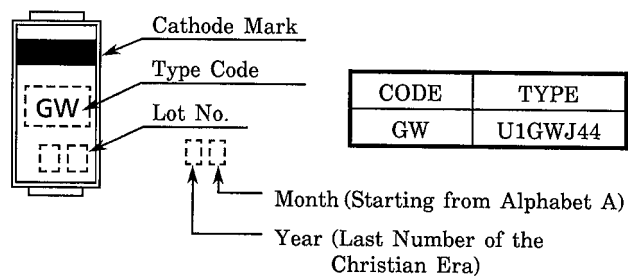
ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ C$)

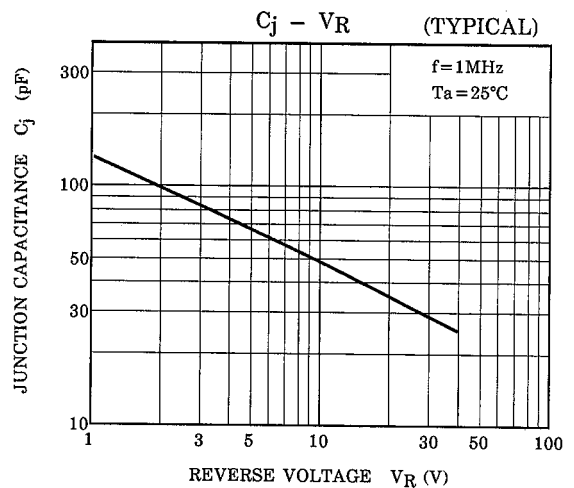
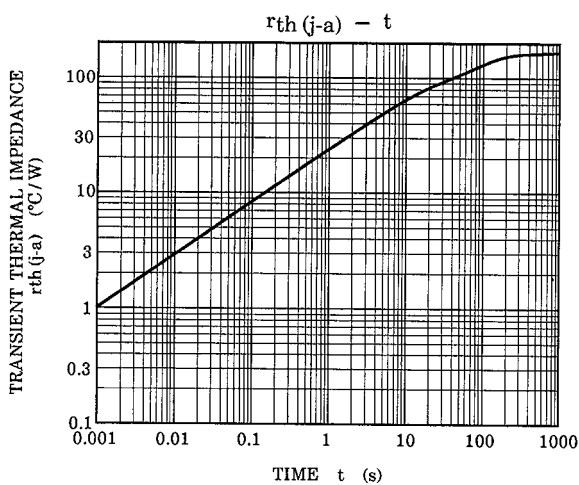
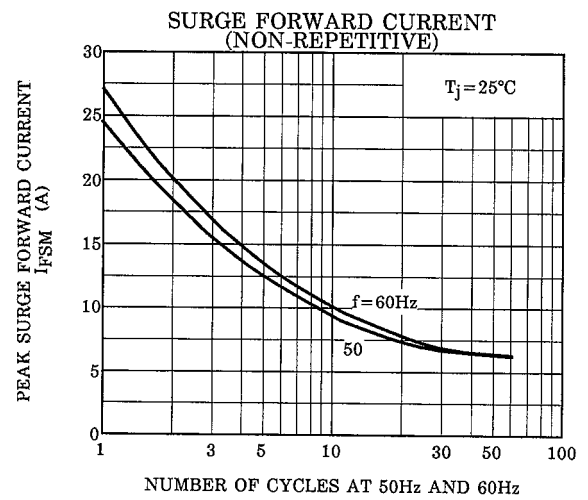
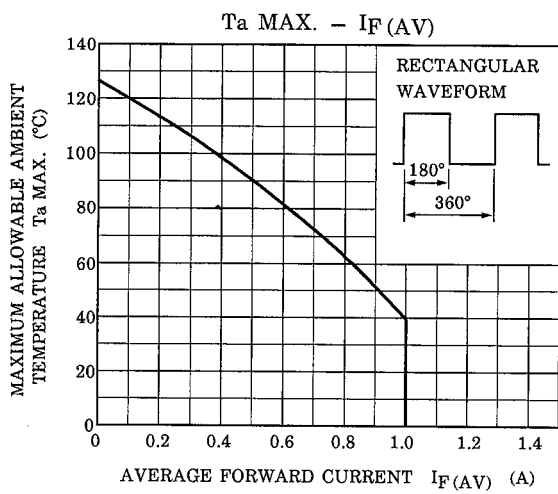
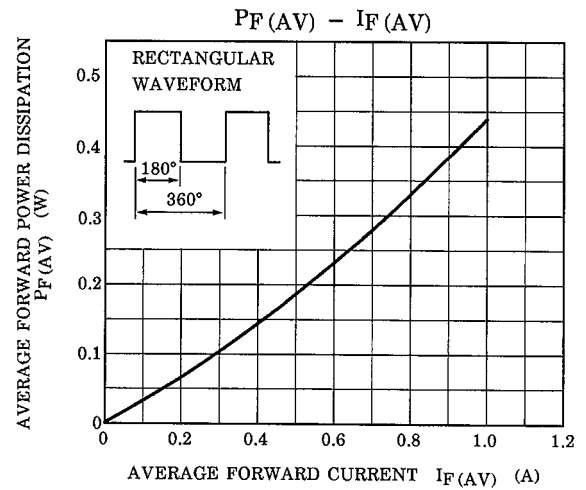
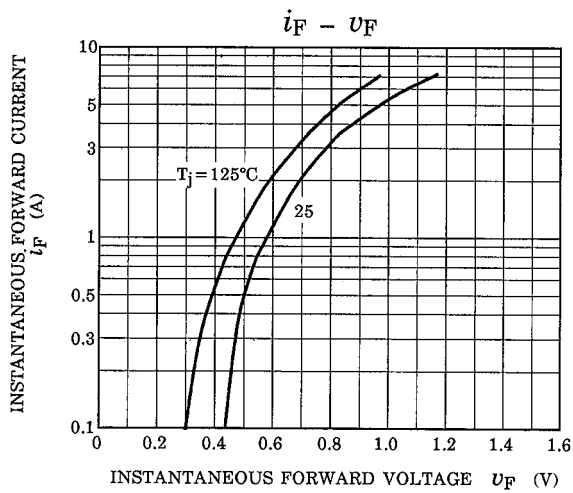
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM} = 1.0 A$	—	—	0.55	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 40 V$	—	—	0.5	mA
Reverse Recovery Time	t_{rr}	$I_F = 1.0 A, di / dt = -30 A / \mu s$	—	—	35	ns
Junction Capacitance	C_j	$V_R = 10 A, f = 1MHz$	—	47	—	pF

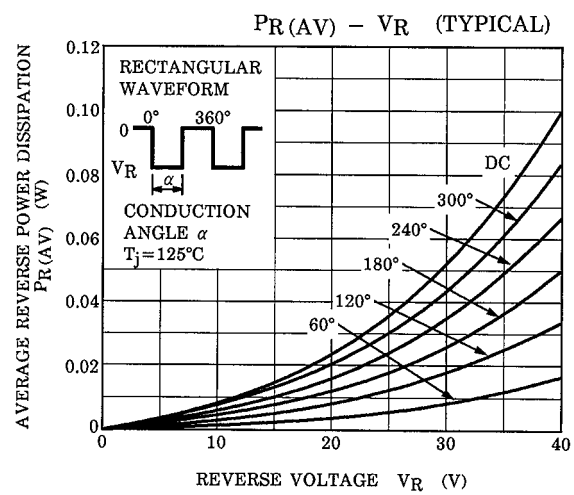
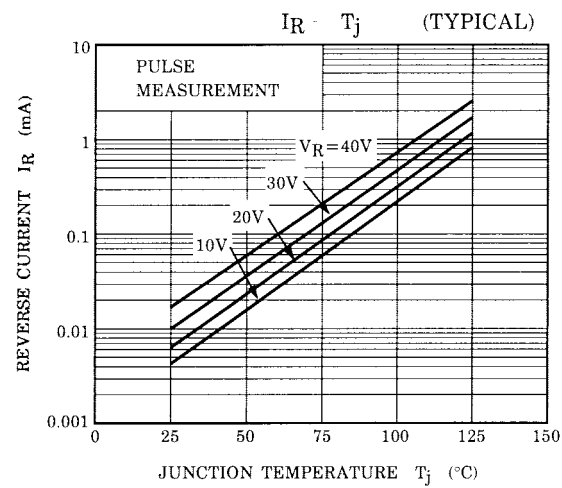
STANDARD SOLDERING PAD



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