

U1GU44

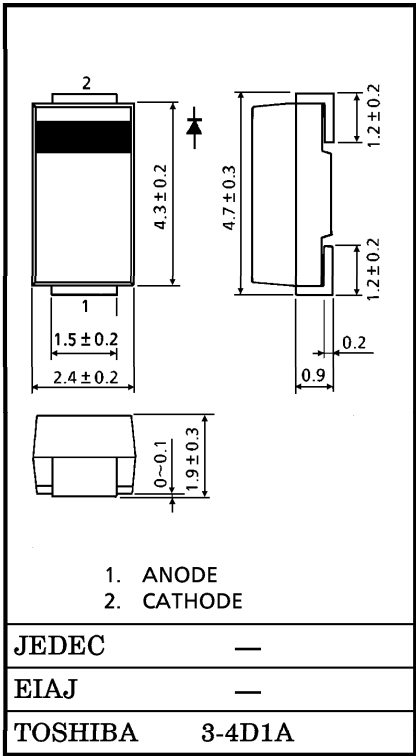
SWITCHING TYPE POWER SUPPLY APPLICATIONS

Unit in mm

- Repetitive Peak Reverse Voltage :  $V_{RRM} = 400\text{ V}$
- Average Forward Current :  $I_F (AV) = 1.0\text{ A}$
- Very Fast Reverse-Recovery Time :  $t_{rr} = 100\text{ ns (Max.)}$
- Surface Mounting Plastic Mold Package

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	400	V
Average Forward Current	$I_F (AV)$	1.0	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	$I_{FSM}$	15 (50 Hz) 17 (60 Hz)	A
Junction Temperature Range	$T_j$	-40~150	°C
Storage Temperature Range	$T_{stg}$	-40~150	°C



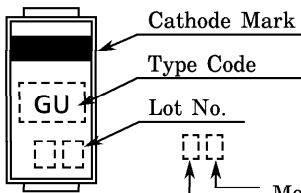
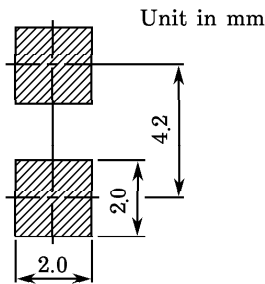
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Weight : 0.06 g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM} = 1.0\text{ A}$	—	—	1.5	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM} = 400\text{ V}$	—	—	50	$\mu\text{A}$
Reverse Recovery Time	$t_{rr}$	$I_F = 1\text{ A}$ , $di/dt = -30\text{ A}/\mu\text{s}$	—	—	100	ns
Forward Recovery Time	$t_{fr}$	$I_F = 1.0\text{ A}$	—	—	250	ns

Standard Soldering Pad

Marking



CODE	TYPE
GU	U1GU44

Month (Starting from Alphabet A)  
Year (Last Number of the Christian Era)

961001EAA1

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