

TOSHIBA HIGH EFFICIENCY RECTIFIER SILICON EPITAXIAL TYPE

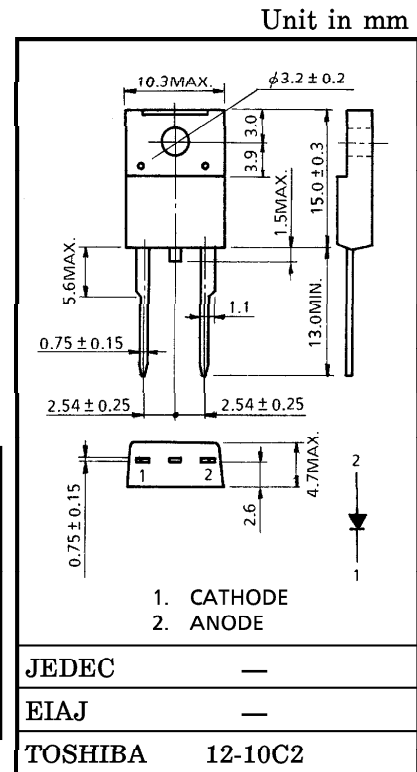
# 5JLZ47A

SWITCHING TYPE POWER SUPPLY APPLICATION  
CONVERTER & CHOPPER APPLICATION

- Repetitive Peak Reverse Voltage :  $V_{RRM} = 600V$
- Peak Forward Voltage :  $V_{FM} = 4.0V$
- Ultra Fast Reverse-Recovery Time :  $t_{rr} = 35ns$

**MAXIMUM RATINGS**

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	600	V
Average Output Rectified Current	$I_O$	5	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	$I_{FSM}$	40	A
Junction Temperature	$T_j$	-40~150	°C
Storage Temperature Range	$T_{stg}$	-40~150	°C



Weight : 2.0g

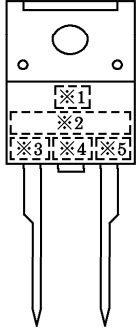
**ELECTRICAL CHARACTERISTICS (Ta = 25°C)**

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$V_{FM}$	$I_{FM} = 5A$	—	—	4.0	V
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM} = 600V$	—	—	50	$\mu A$
Reverse Recovery Time	$t_{rr}$	$I_F = 2A, di/dt = -20A/\mu s$	—	—	35	ns
Thermal Resistance	$R_{th(j-c)}$	DC	—	—	4.5	°C/W

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MARKING



※ Number	SYMBOL		MARK
※1	Toshiba Product Mark		
※2	TYPE	5JLZ47A	5JLZ47
※3		5JLZ47A	A
※4	Polarity Mark		
※5	Lot Number — Month (Starting from Alphabet A) — Year (Last Number of the Christian Era)		

