

TOSHIBA HIGH EFFICIENCY RECTIFIER SILICON EPITAXIAL TYPE

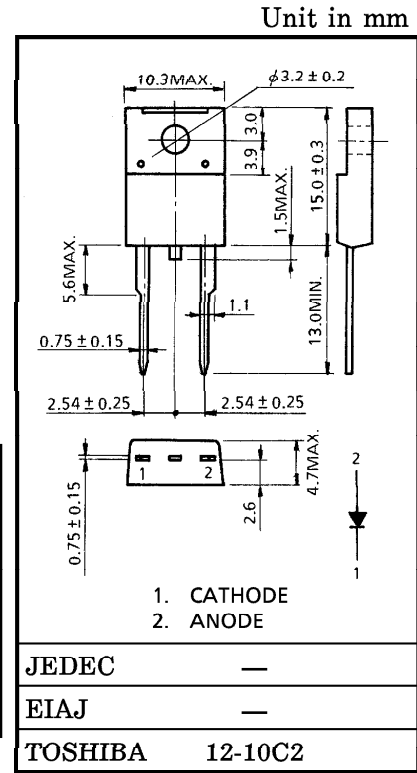
5JLZ47A

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

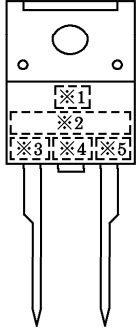
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

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	μA
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)		

