

5JLZ47

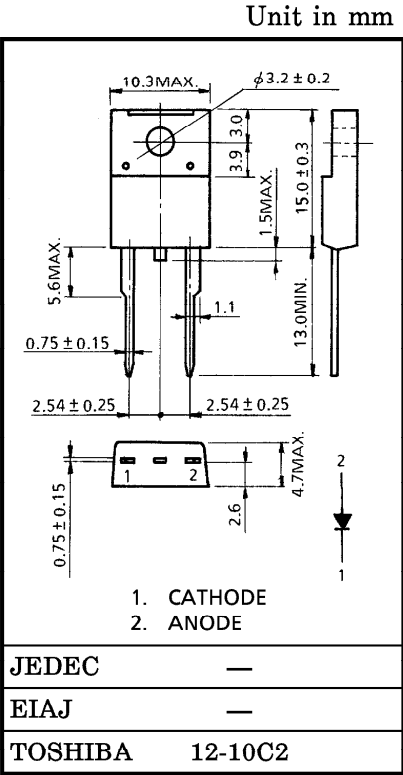
SWITCHING TYPE POWER SUPPLY APPLICATION

CONVERTER & CHOPPER APPLICATION

- Repetitive Peak Reverse Voltage : $V_{RRM}=600V$
- Ultra Fast Reverse-Recovery Time : $t_{rr}=50ns$
- Low Switching Losses and Low Output Noise.

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}	50 (50Hz) 60 (60Hz)	A
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-40~150	°C

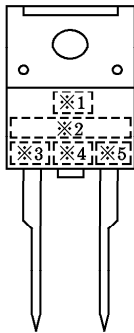


ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Weight : 2.0g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=5A$	—	2.0	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=600V$	—	50	μA
Reverse Recovery Time	t_{rr}	$I_F=2A, di/dt = -20A/\mu s$	—	50	ns
Forward Recovery Time	t_{fr}	$I_F=1A$	—	150	ns
Thermal Resistance	$R_{th(j-c)}$	DC	—	4.0	°C/W

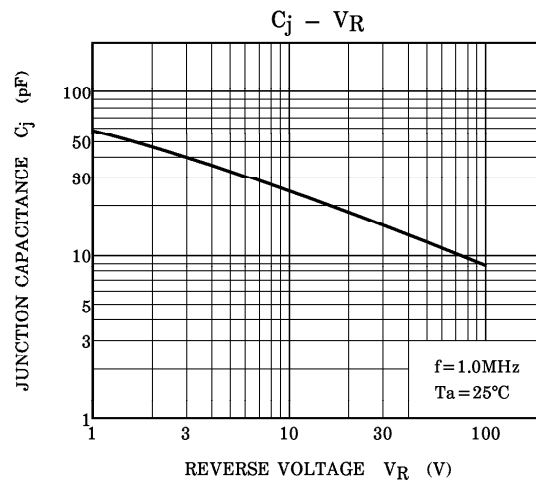
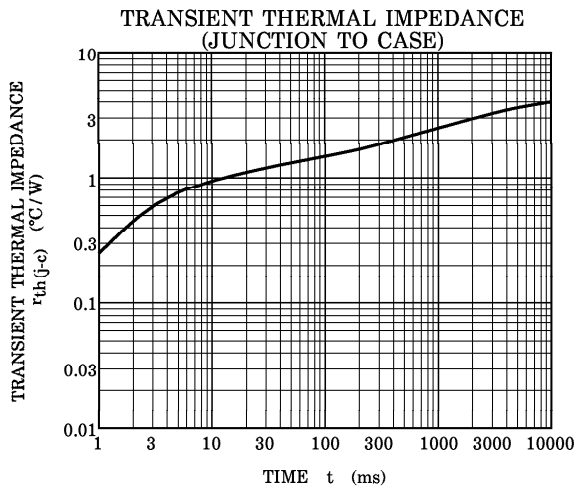
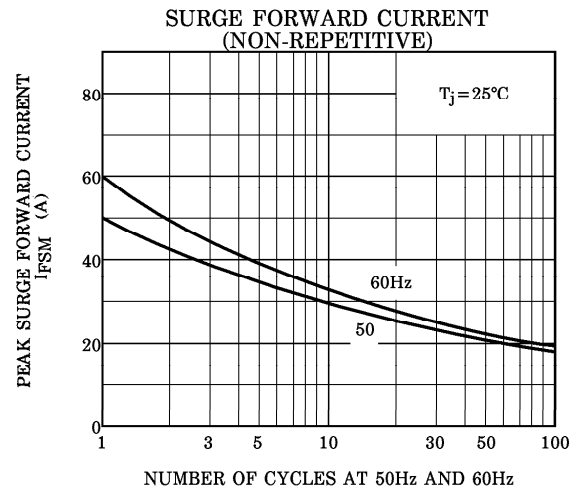
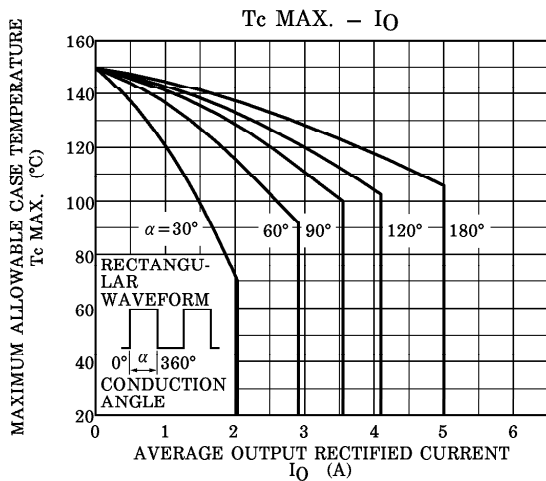
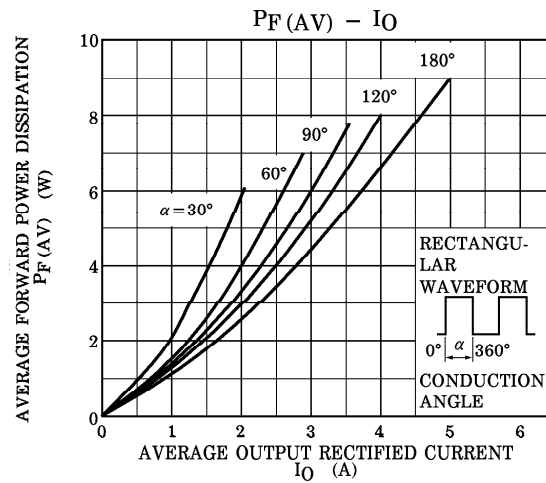
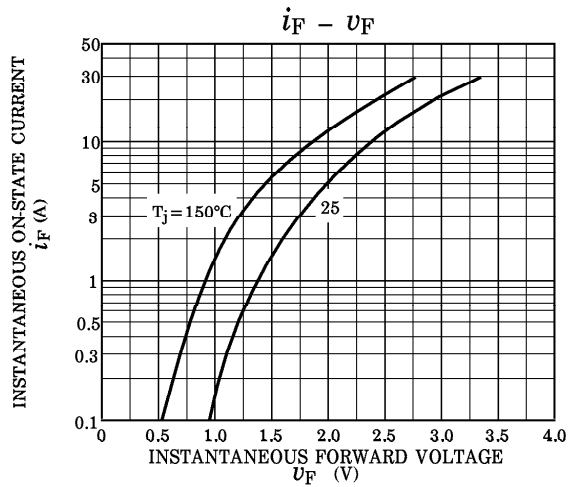
MARKING



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

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