

5DL2CZ47A,5FL2CZ47A,5GL2CZ47A

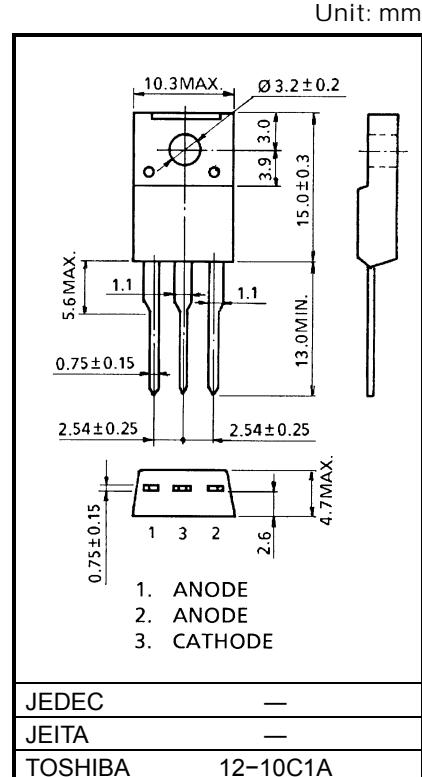
SWITCHING MODE POWER SUPPLY APPLICATION

CONVERTER & CHOPPER APPLICATION

- Repetitive Peak Reverse Voltage : $V_{RRM} = 200, 300, 400V$
- Average Output Rectified Current : $I_O = 5A$
- Ultra Fast Reverse-Recovery Time : $t_{rr} = 35ns$ (Max)
- Low Switching Losses and Output Noise.

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	200	V
		300	
		400	
Average Output Rectified Current	I_O	5	A
Peak One Cycle Surge Forward Current (Sin Wave)	I_{FSM}	25 (50Hz)	A
		27.5 (60Hz)	
Junction Temperature	T_j	-40~150	°C
Storage Temperature Range	T_{stg}	-40~150	°C
Screw Torque	—	0.6	N·m



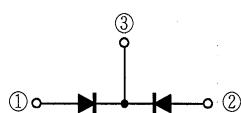
Weight: 2.0 g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

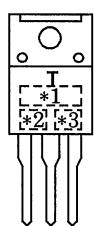
CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX	UNIT
Peak Forward Voltage (Note 1)	V_{FM}	$I_{FM} = 2.5A$	—	0.98	V
			—	1.3	
			—	1.8	
Repetitive Peak Reverse Current (Note 1)	I_{RRM}	$V_{RRM} = \text{Rated}$	—	10	μA
			—	10	
			—	50	
Reverse Recovery Time (Note 1)	t_{rr}	$I_F = 2A, di / dt = -20A / \mu s$	—	35	ns
Forward Recovery Time (Note 1)	t_{fr}	$I_F = 1A$	—	100	ns
Thermal Resistance	$R_{th(j-c)}$	DC Total, Junction to Case	—	3.8	°C / W

Note 1: A value of one cell.

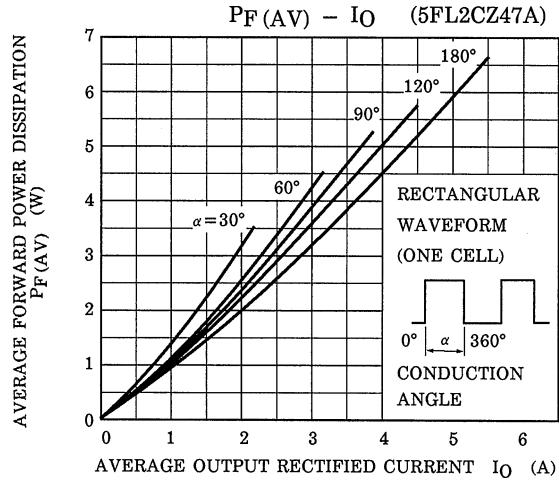
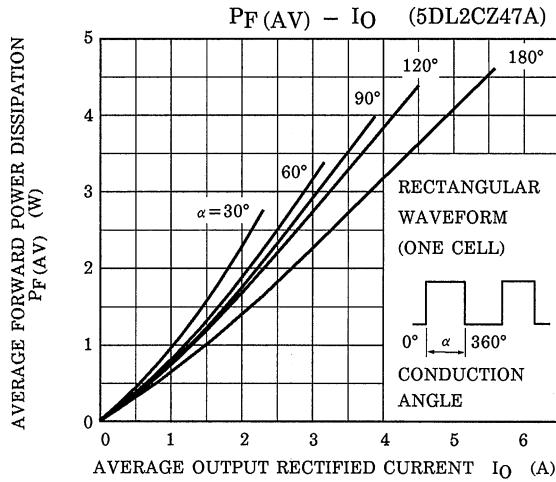
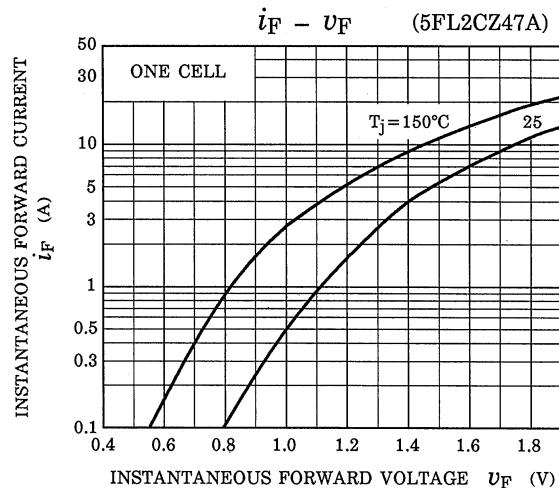
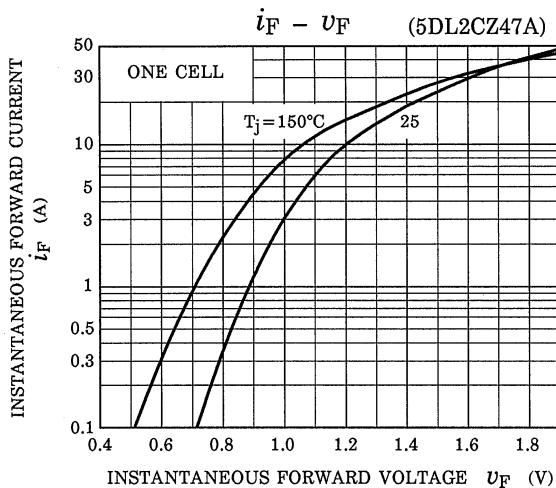
POLARITY

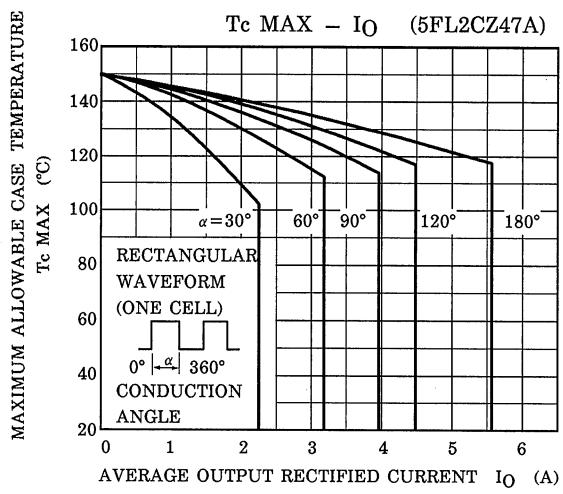
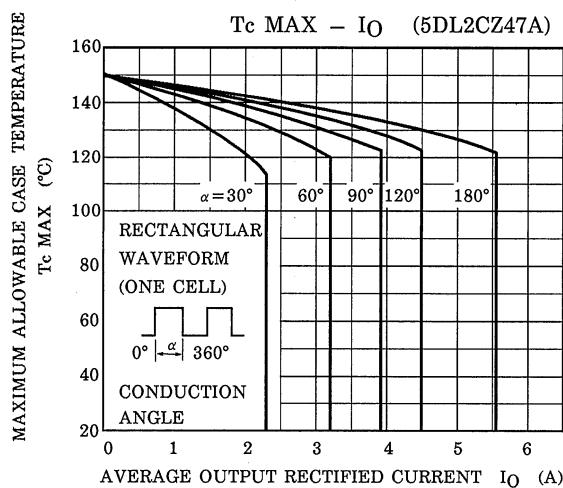


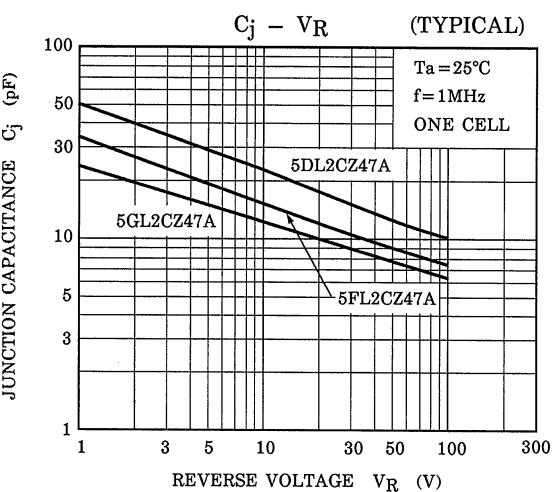
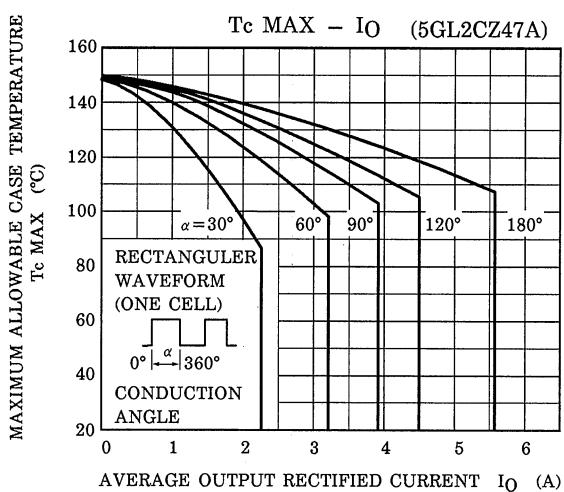
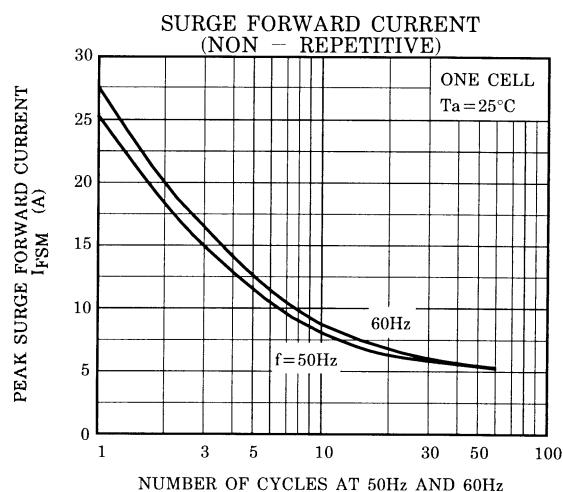
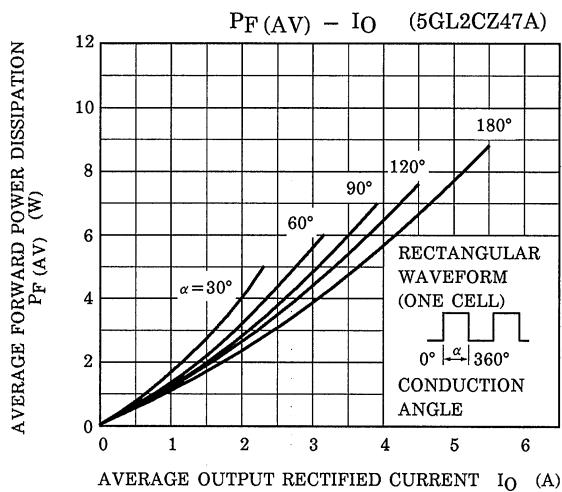
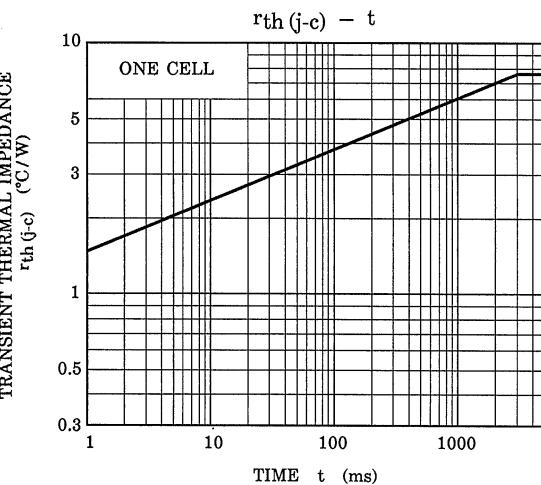
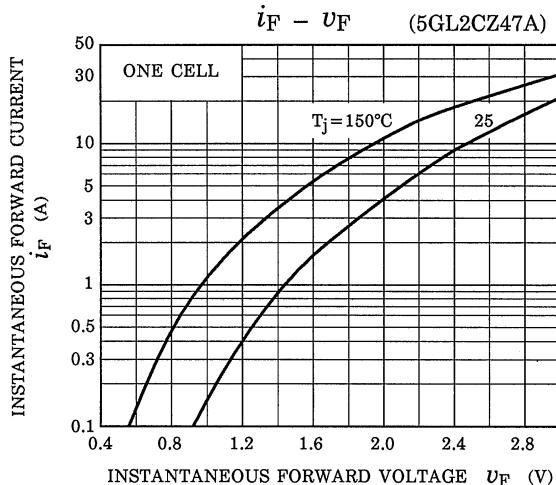
MARKING



*1	MARK	5DL2CZ	TYPE	5DL2CZ47A
		5FL2CZ		5FL2CZ47A
		5GL2CZ		5GL2CZ47A
*2	A			
*3	Lot Number			
	□ □ - Month (Starting from Alphabet A)			
	└ Year (Last Number of the Christian Era)			







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000707EAA

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