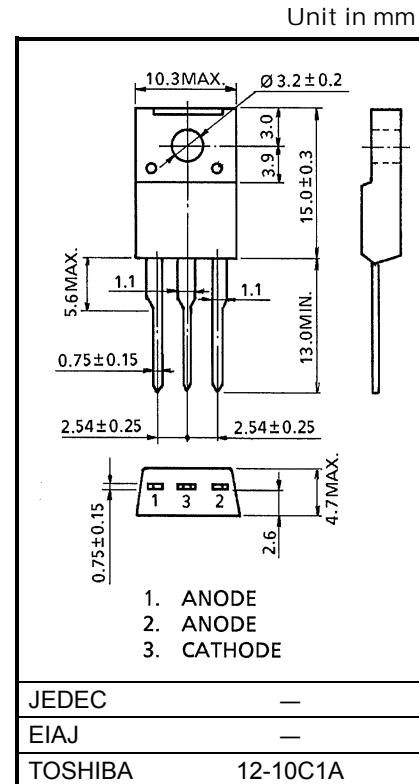


10DL2CZ47A,10FL2CZ47A,10GL2CZ47A**SWITCHING MODE POWER SUPPLY APPLICATIONS
CONVERTER & CHOPPER APPLICATION**

- Repetitive Peak Reverse Voltage : $V_{RRM}=200, 300, 400V$
- Average Output Rectified Current : $I_O=10A$
- 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
10DL2CZ47A		300	
10GL2CZ47A		400	
Average Output Rectified Current	I_O	10	A
Peak One Cycle Surge Forward Current (Sine Wave)	I_{FSM}	50 (50Hz)	A
		55 (60Hz)	
Junction Temperature	T_j	-40~150	°C
Storage Temperature Range	T_{stg}	-40~150	°C
Screw Torque	—	0.6	N·m

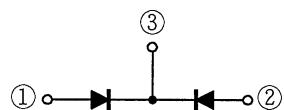
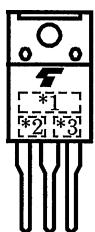


Weight : 2.0g

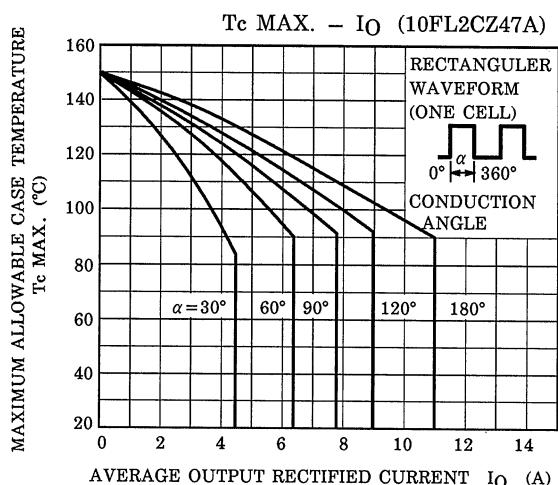
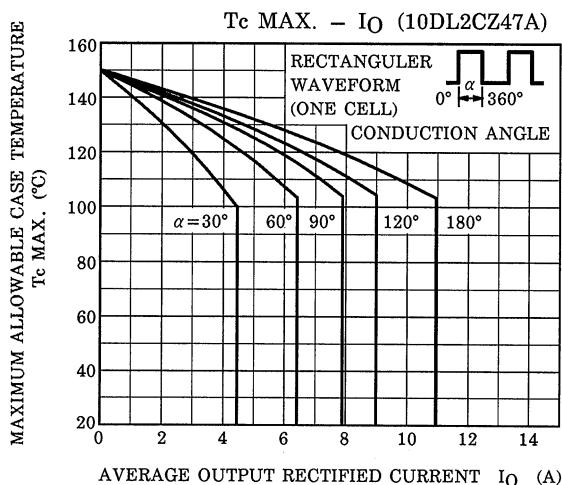
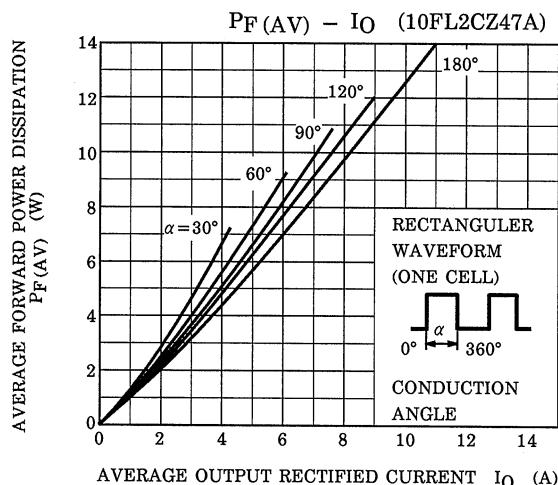
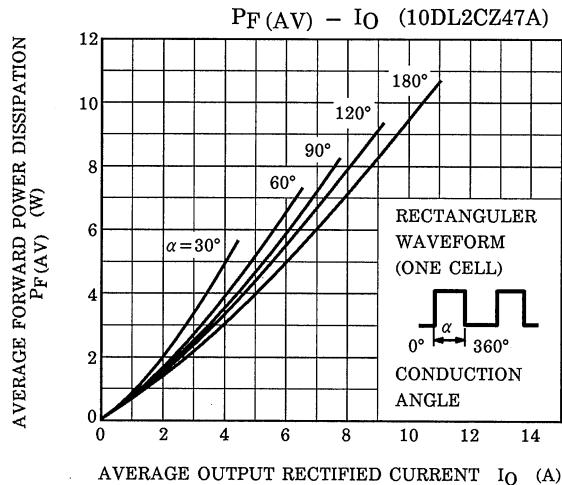
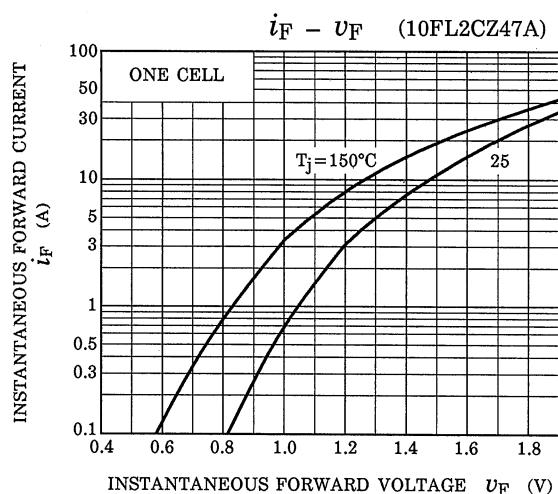
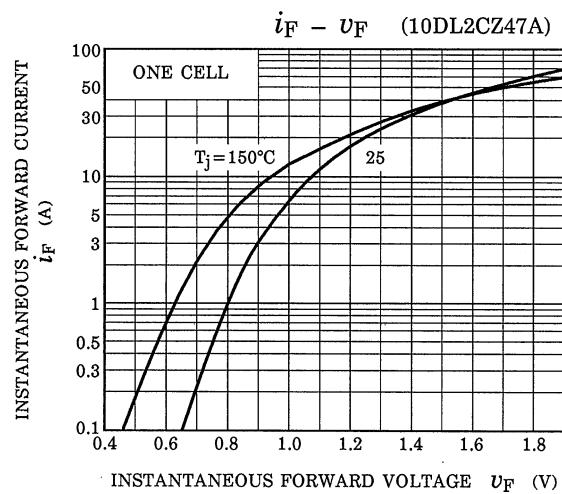
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

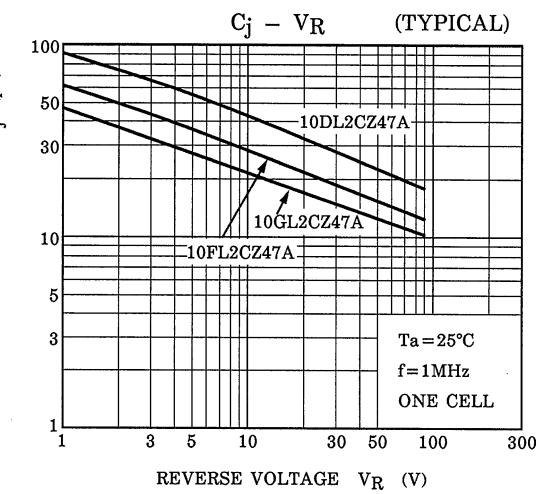
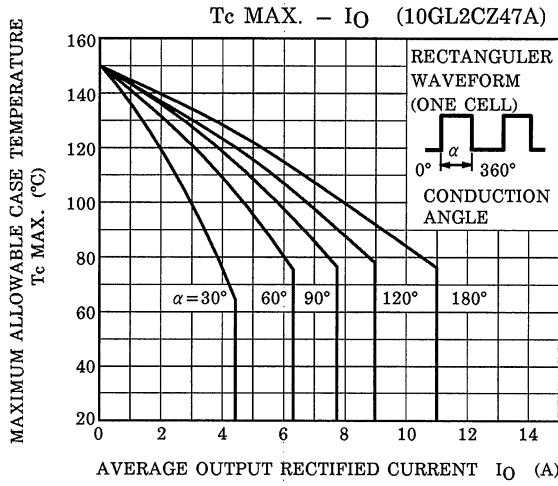
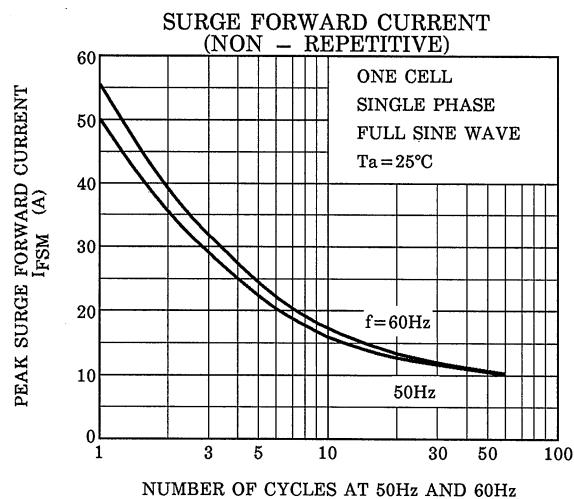
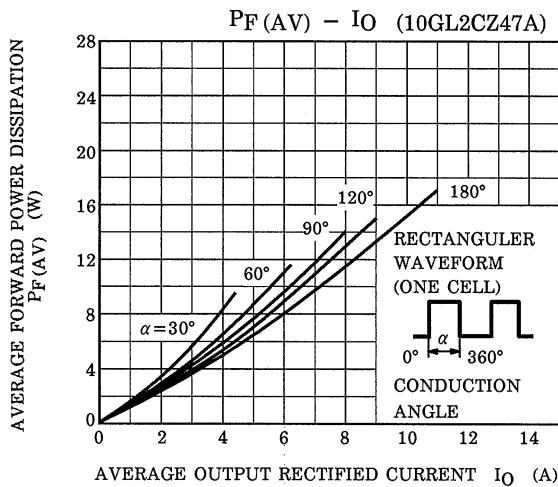
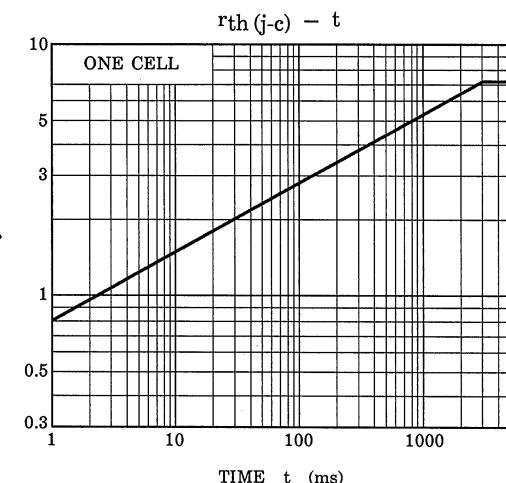
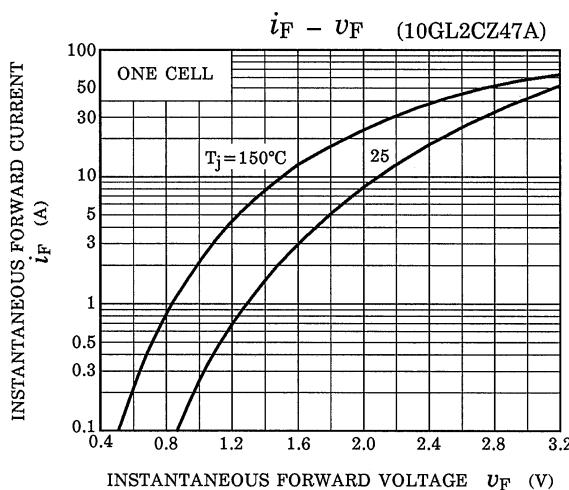
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage (Note 1)	V_{FM}	$I_{FM}=5A$	—	—	0.98	V
10DL2CZ47A			—	—	1.3	
10GL2CZ47A			—	—	1.8	
Repetitive Peak Reverse Current (Note 1)	I_{RRM}	$V_{RRM}=\text{Rated}$	—	—	10	μA
10DL2CZ47A			—	—	10	
10GL2CZ47A			—	—	50	
Reverse Recovery Time (Note 1)	t_{rr}	$I_F=2A, di / dt=-20A / \mu s$	—	—	—	ns
Forward Recovery Time (Note 1)	t_{fr}	$I_F=1A$	—	—	—	ns
Thermal Resistance	$R_{th} (j-c)$	DC Total, Junction to Case	—	—	—	°C / W

Note 1 : A value of one cell.

POLARITY**MARKING**

* 1	MARK	10DL2CZ	TYPE	10DL2CZ47A
		10FL2CZ		10FL2CZ47A
		10GL2CZ		10GL2CZ47A
* 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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