

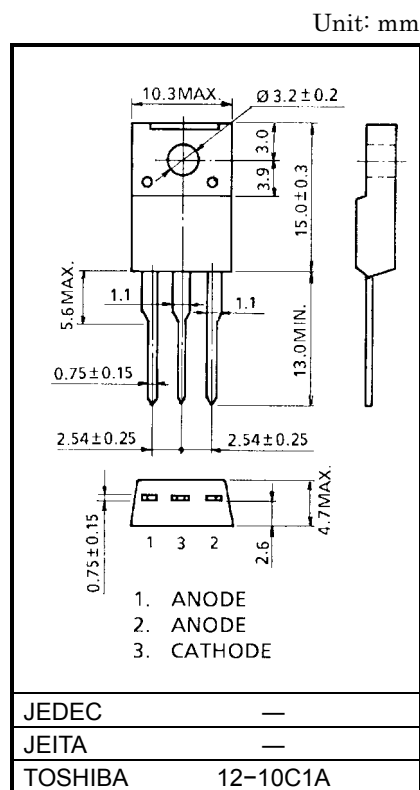
5DL2CZ47A,5FL2CZ47A,5GL2CZ47A

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 ($T_a = 25^{\circ}C$)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	5DL2CZ47A	V_{RRM}	200	V
	5FL2CZ47A		300	
	5GL2CZ47A		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	$^{\circ}C$
Storage Temperature Range		T_{stg}	-40~150	$^{\circ}C$
Screw Torque		—	0.6	N·m



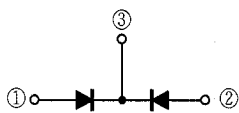
Weight: 2.0 g

ELECTRICAL CHARACTERISTICS ($T_a = 25^{\circ}C$)

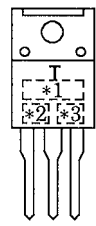
CHARACTERISTIC		SYMBOL	TEST CONDITION	TYP.	MAX	UNIT
Peak Forward Voltage (Note 1)	5DL2CZ47A	V_{FM}	$I_{FM} = 2.5A$	—	0.98	V
	5FL2CZ47A			—	1.3	
	5GL2CZ47A			—	1.8	
Repetitive Peak Reverse Current (Note 1)	5DL2CZ47A	I_{RRM}	$V_{RRM} = \text{Rated}$	—	10	μA
	5FL2CZ47A			—	10	
	5GL2CZ47A			—	50	
Reverse 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	$^{\circ}C / W$

Note 1: A value of one cell.

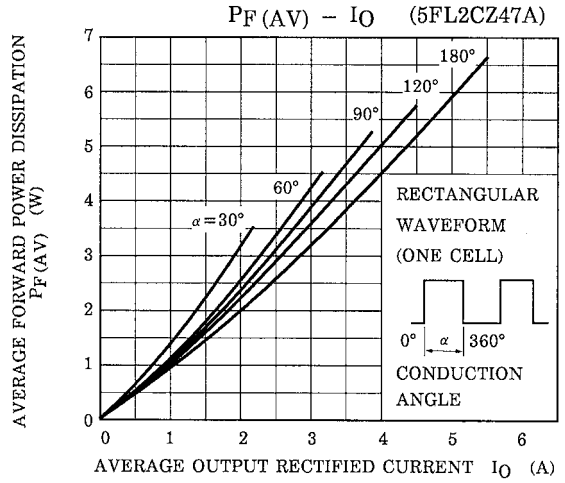
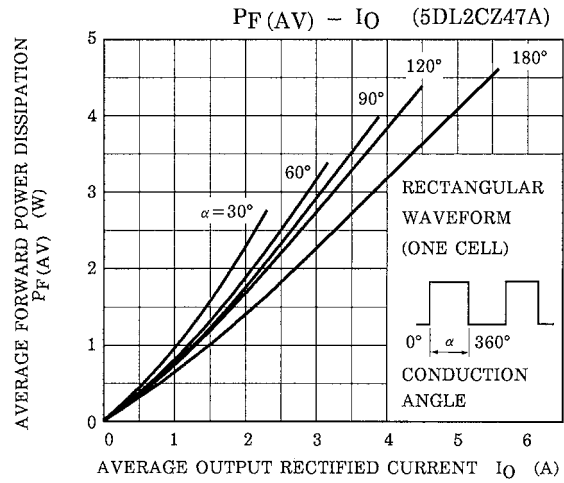
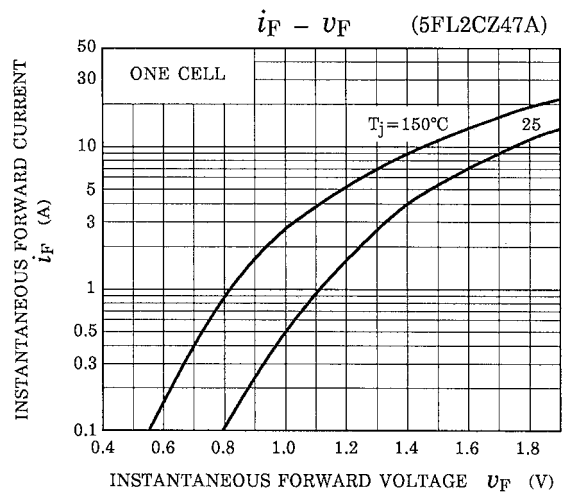
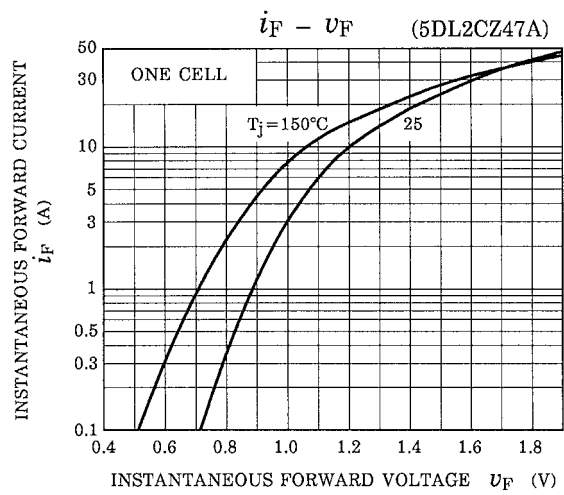
POLARITY

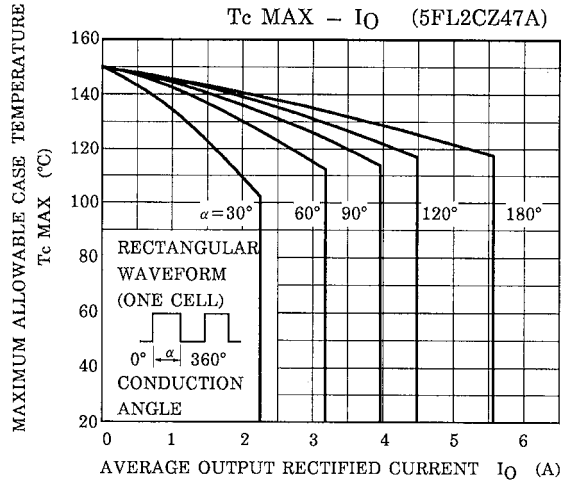
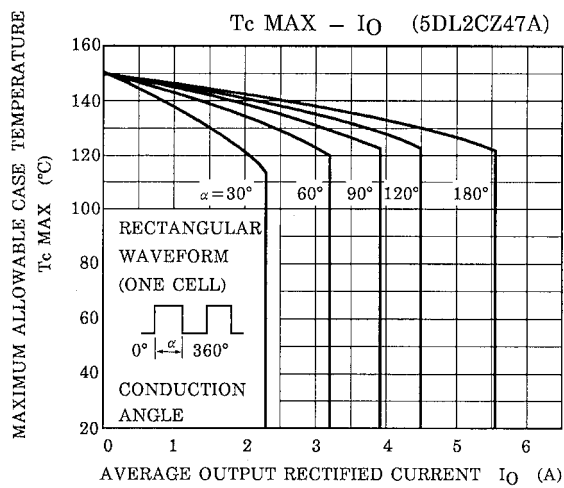


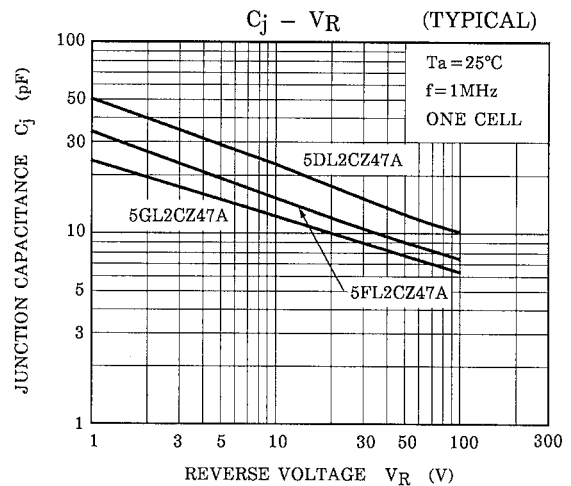
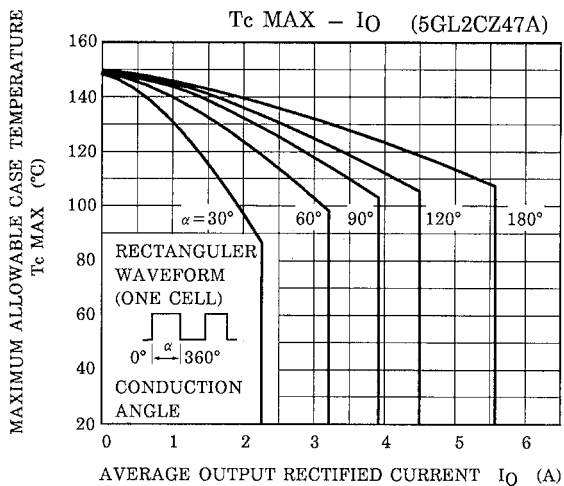
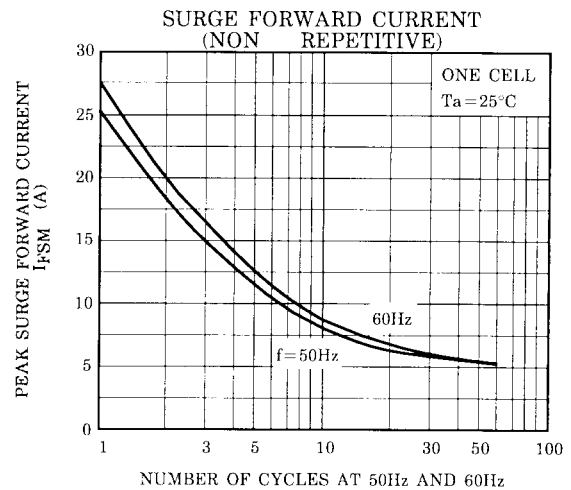
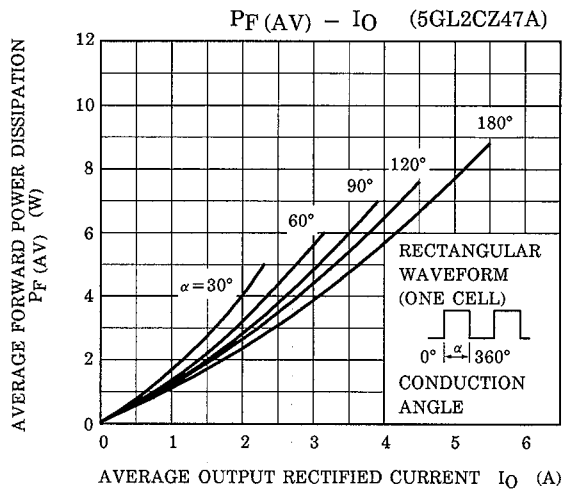
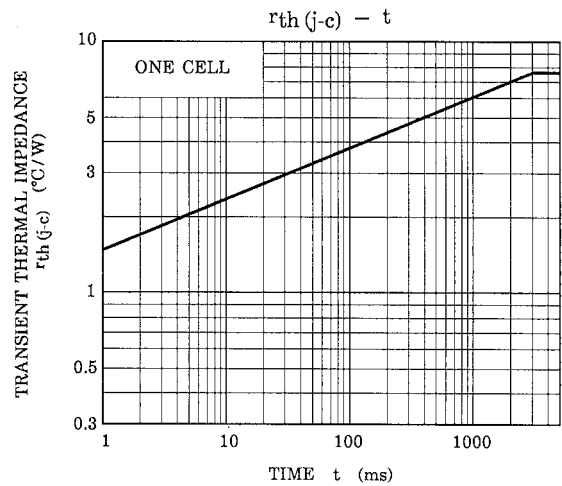
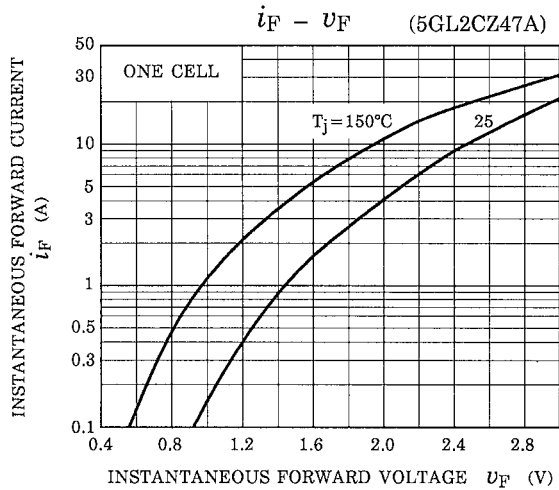
MARKING



*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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