

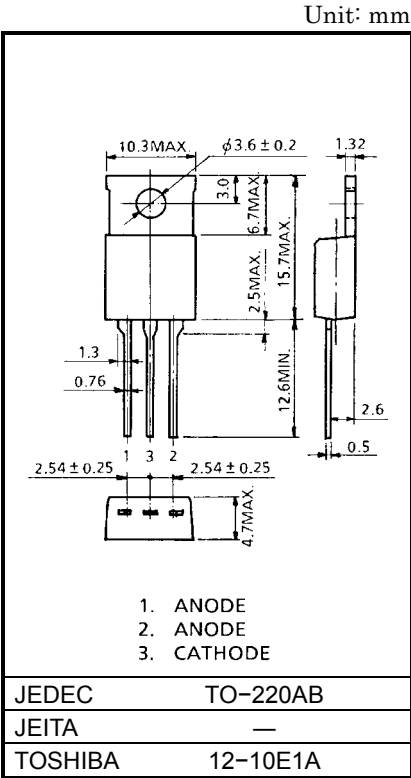
10DL2C41A

SWITCHING MODE POWER SUPPLY APPLICATIONS
CONVERTER & CHOPPER APPLICATION

- Repetitive Peak Reverse Voltage : $V_{RRM} = 200V$
- Average Output Rectified Current : $I_O = 10A$
- Ultra Fast Reverse-Recovery Time : $t_{rr} = 35ns$

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	200	V
Average Output Rectified Current (Tc = 116°C)	I_O	10	A
Peak One Cycle Surge Forward Current (Non Repetitive)	I_{FSM}	50 (50Hz)	A
Junction Temperature	T_j	-40~150	°C
Storage Temperature Range	T_{stg}	-40~150	°C
Screw Torque	—	0.6	N · m



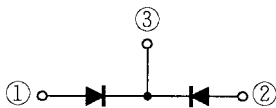
Weight: 2.0g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

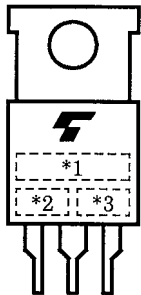
CHARACTERISTIC	SYMBOL	TEST CONDITION	TYP.	MAX	UNIT
Peak Forward Voltage (Note 1)	V_{FM}	$I_{FM} = 5A$	—	0.98	V
Repetitive Peak Reverse Current (Note 1)	I_{RRM}	$V_{RRM} = 200V$	—	10	μA
Reverse Recovery time (Note 1)	t_{rr}	$I_F = 2A, di / dt = -20A / \mu s$	—	35	ns
Forward Recovery time (Note 1)	t_{fr}	$I_F = 1.0A$	—	100	ns
Thermal Resistance	$R_{th(j-c)}$	DC Total, Junction to Case	—	3.0	°C / W

Note 1: A value of one cell.

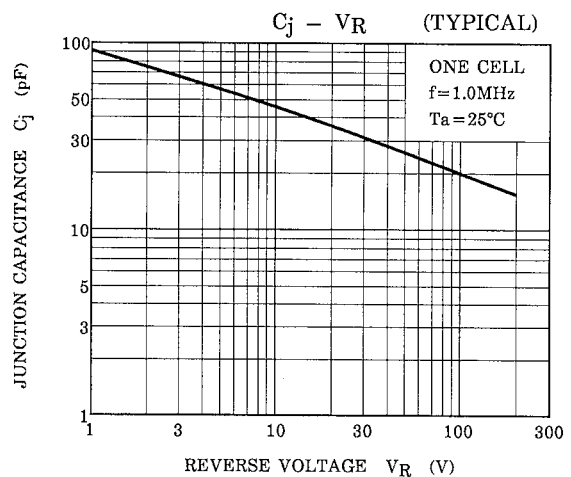
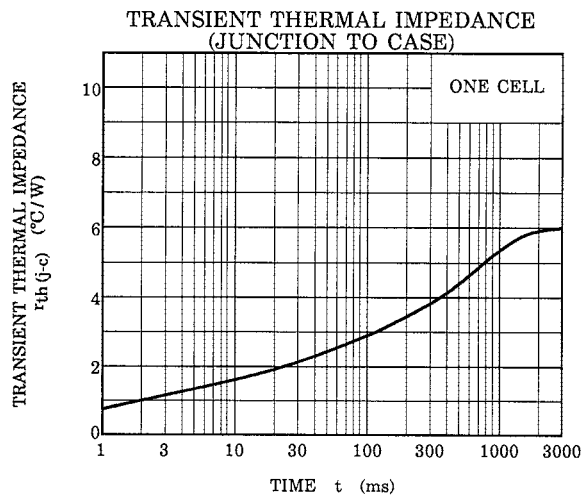
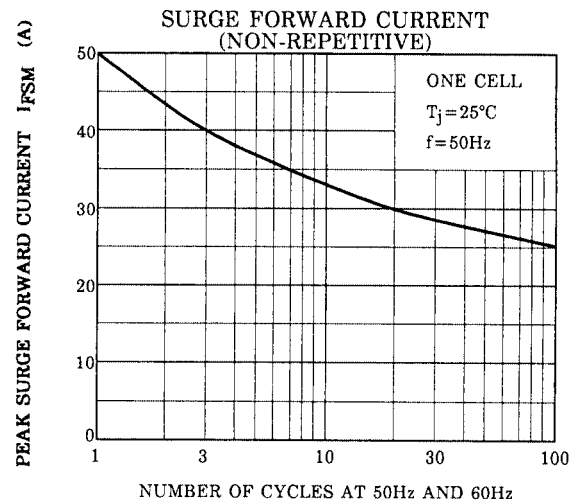
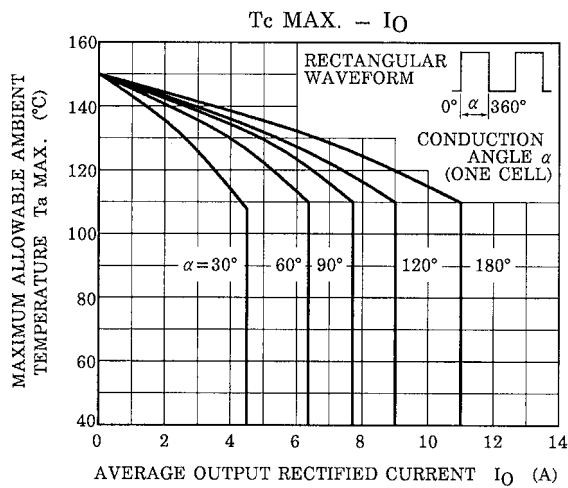
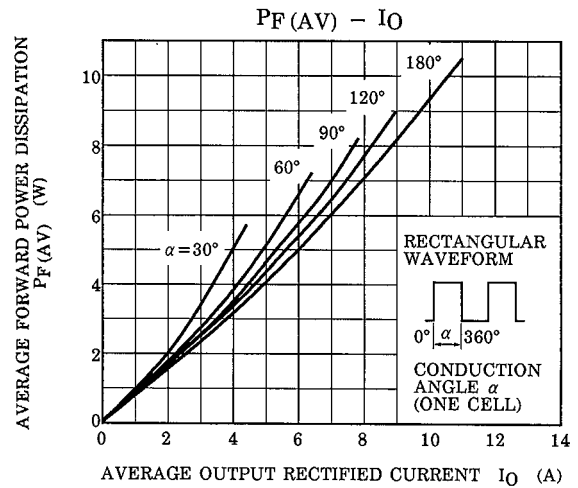
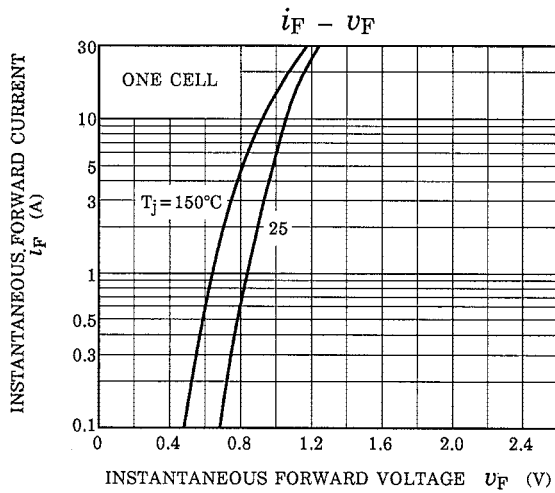
POLARITY



MARKING



* 1	MARK	10DL2C
* 2	A	
* 3	Lot Number	
	Month (Starting from Alphabet A)	
	Year (Last Number of the Christian Era)	



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