

TOSHIBA HIGH EFFICIENCY DIODE STACK (HED) SILICON EPITAXIAL TYPE

10DL2C41A

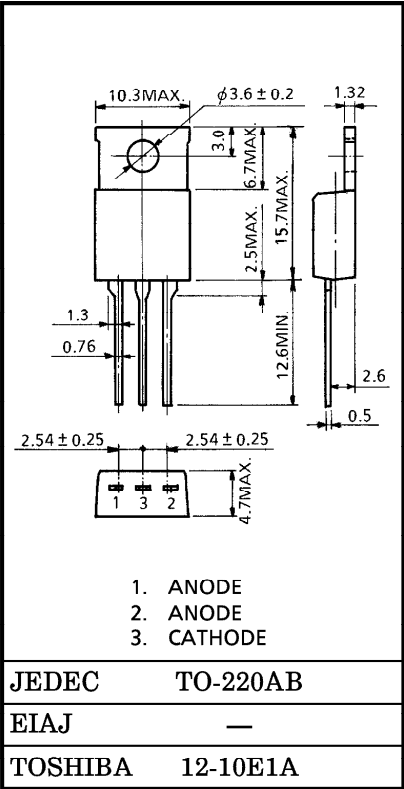
SWITCHING TYPE POWER SUPPLY APPLICATION
CONVERTER & CHOPPER APPLICATION

Unit in mm

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

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	200	V
Average Output Rectified Current ($T_c=116^{\circ}C$)	I_O	10	A
Peak One Cycle Surge Forward Current (Non Repetitive)	I_{FSM}	50 (50Hz)	A
Junction Temperature	T_j	$-40\sim150$	$^{\circ}C$
Storage Temperature Range	T_{stg}	$-40\sim150$	$^{\circ}C$
Screw Torque	—	0.6	N·m



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

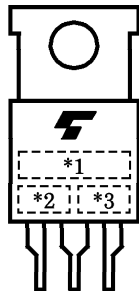
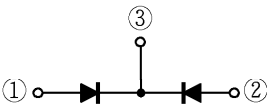
Weight : 2.0g

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	$^{\circ}C/W$

Note 1 : A value of one cell.

MARKING

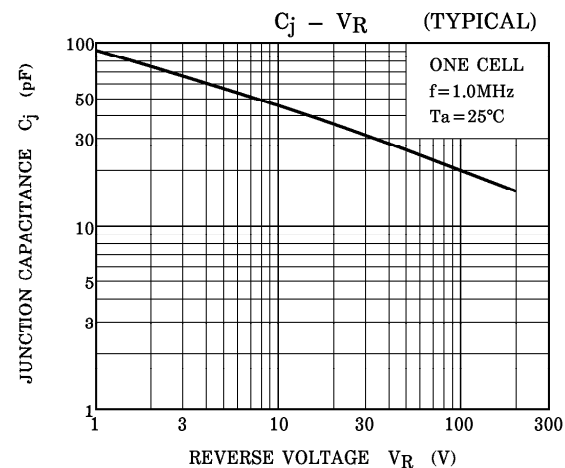
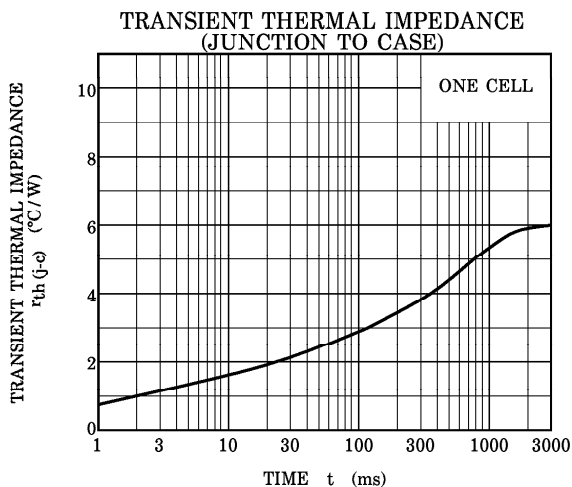
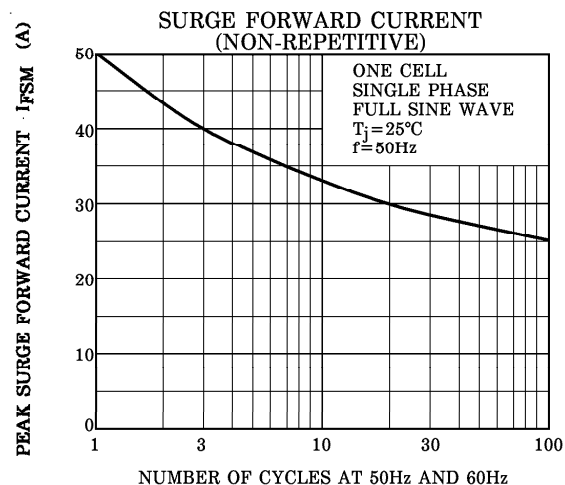
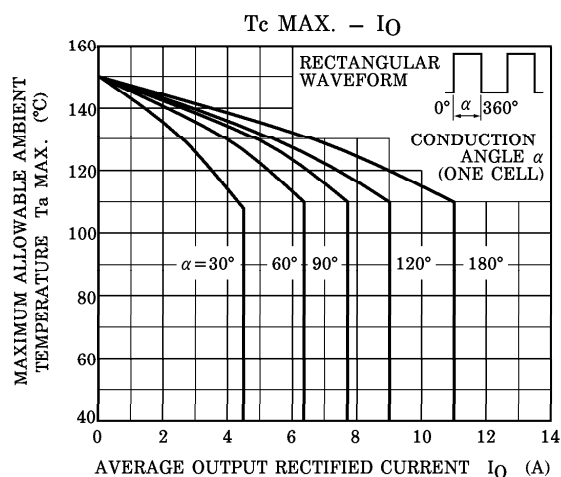
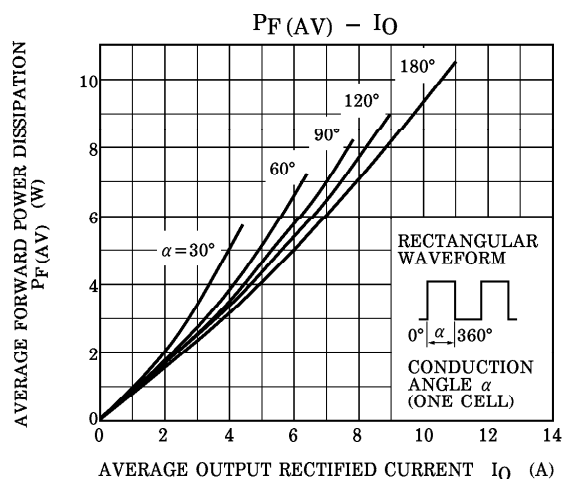
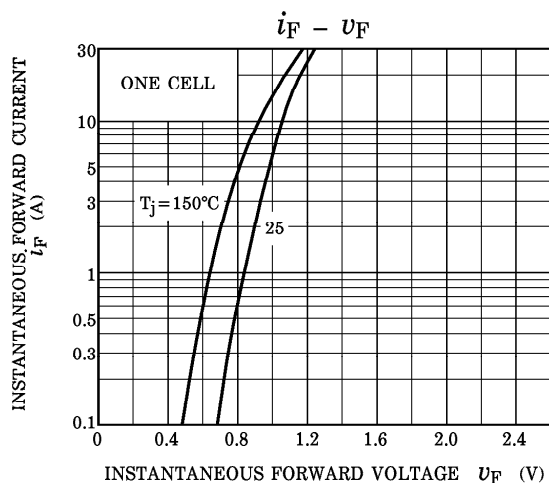
POLARITY



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

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