

TOSHIBA HIGH EFFICIENCY DIODE STACK (HED) SILICON EPITAXIAL TYPE

30JL2C41

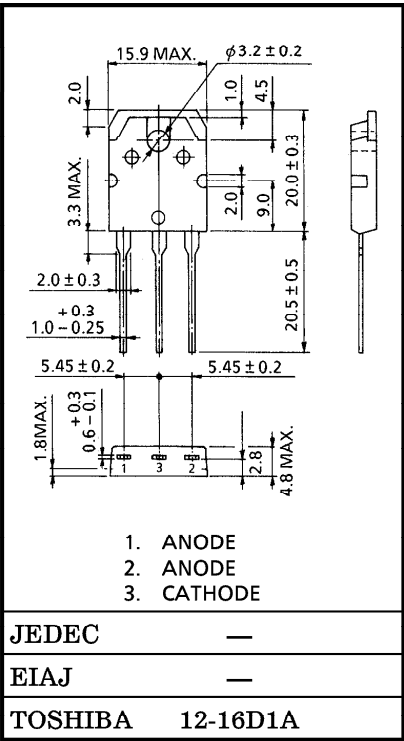
SWITCHING TYPE POWER SUPPLY APPLICATION
CONVERTER & CHOPPER APPLICATION

Unit in mm

- Repetitive Peak Reverse Voltage : $V_{RRM}=600V$
- Average Output Rectified Current : $I_O=30A$
- Ultra Fast Reverse-Recovery Time : $t_{rr}=50ns$ (Max.)
- Low Switching Losses and Output Noise.

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	600	V
Average Output Rectified Current	I_O	30	A
Peak One Cycle Surge Forward Current (Sine Wave)	I_{FSM}	150 (50Hz) 165 (60Hz)	A
Junction Temperature	T_j	-40~150	°C
Storage Temperature Range	T_{stg}	-40~150	°C
Screw Torque	—	0.8	N·m



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

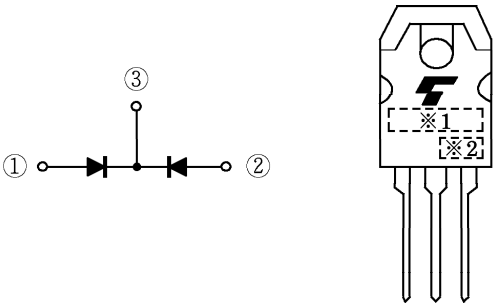
Weight : 4.85g

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=15A$	—	2.0	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=600V$	—	50	μA
Reverse Recovery time	t_{rr}	$I_F=2A, di/dt = -50A/\mu s$	—	50	ns
Forward Recovery time	t_{fr}	$I_F=1A$	—	150	ns
Thermal Resistance	$R_{th(j-c)}$	DC Total, Junction to Case	—	1.0	°C/W

V_{FM} , I_{RRM} , t_{rr} , t_{fr} : A value of one cell.

POLARITY

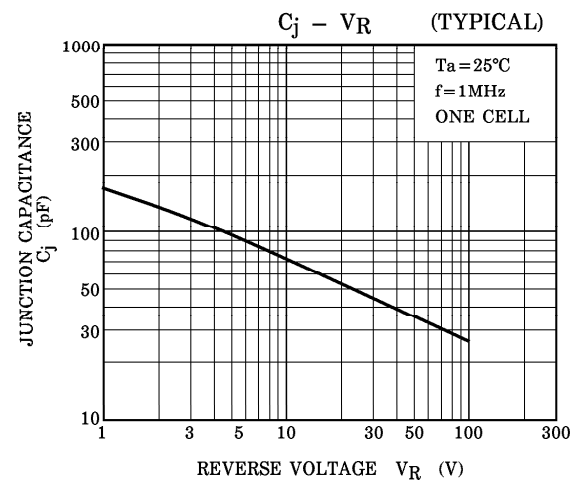
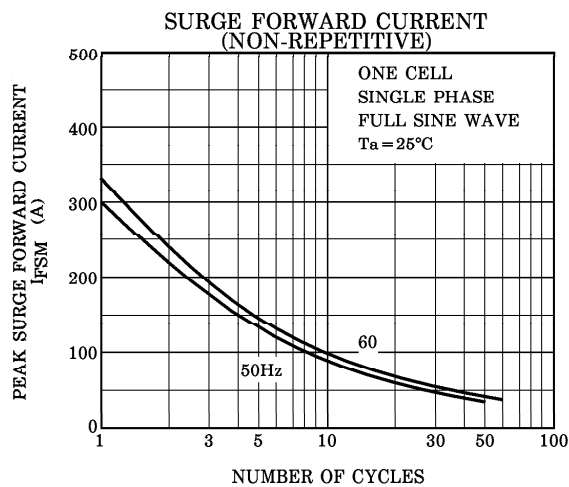
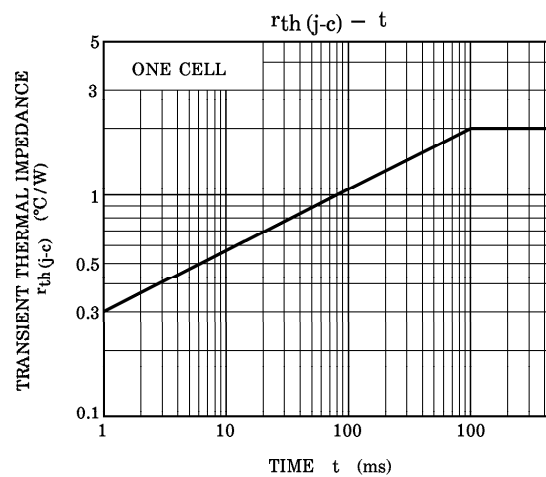
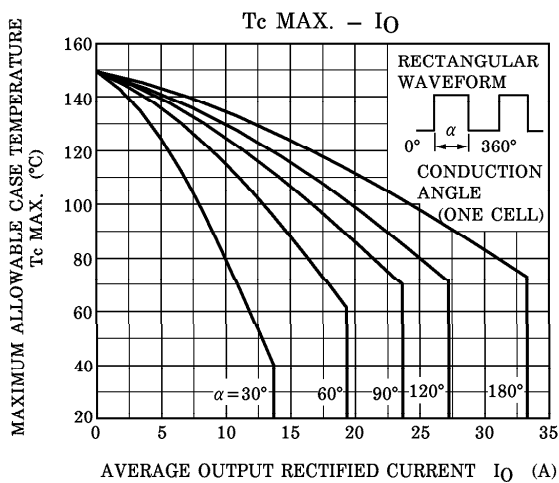
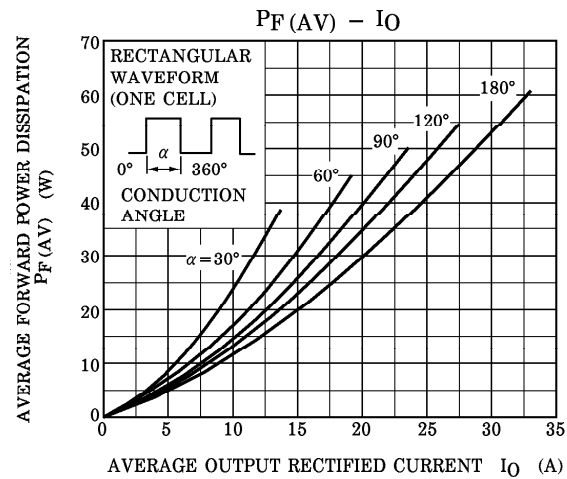
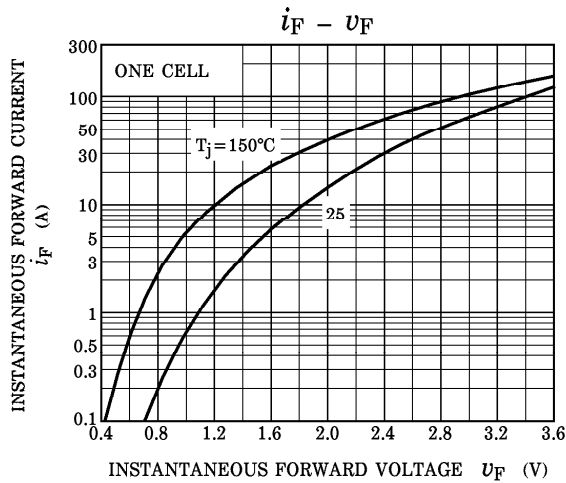
MARKING



※1	MARK	30JL2C
※2	Lot Number □□—Month (Starting from Alphabet A) □—Year (Last Number of the Christian Era)	

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