TOSHIBA 30L6P45

TOSHIBA RECTIFIER MODULE SILICON DIFFUSED TYPE

30L6P45

THREE PHASE FULL WAVE BRIDGE APPLICATIONS INVERTER EQUIPMENT FOR AC MOTOR CONTROL CHOPPER EQUIPMENT FOR DC MOTOR CONTROL DC SUPPLY FOR BATTERY OTHER POWER CONVERSION EQUIPMENT

Repetitive Peak Reverse Voltage $: V_{RRM} = 800V$

Average Output Rectified Current : IO=30A

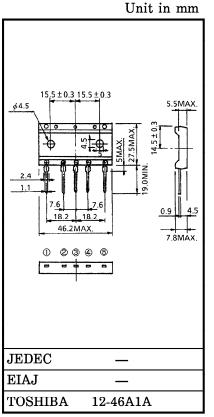
Isolation Voltage : $V_{Isol} = 2000V AC 60s$

Single In-line Package

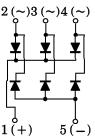
MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	$v_{ m RRM}$	800	V	
Average Output Rectified Current (Tc=97°C)	IO	30	A	
Peak One Cycle Surge Forward	eak One Cycle Surge Forward		A	
Current (Non-Repetitive) IFSM		440 (60Hz)		
Junction Temperature	T_j	-40~150	°C	
Storage Temperature	$\mathrm{T_{stg}}$	-40~125	°C	
Screw Torque (Note 1)	_	1.5	N·m	
Isolation Voltage (AC, t=60s)	v_{Isol}	2000	V	

Note 1: Recommended torque 1.2 Nm



Weight: 24g CONNECTION

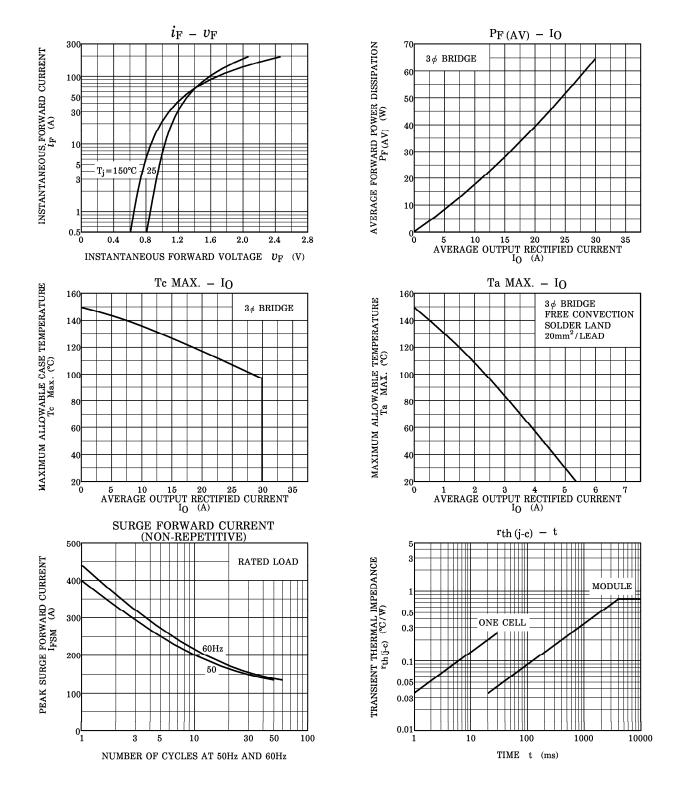


ELECTRICAL CHARACTERISTICS (Ta = 25°C)

ELECTRICAL CITATOR (Ta = 25 C)					
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Repetitive Peak Reverse Current	I _{RRM} (Note 2)	$V_{ m RRM} = 800 V$	_	100	μ A
Peak Forward Voltage	V _{FM} (Note 2)	$I_{ extbf{FM}}\!=\!30 ext{A}$	_	1.2	V
Thermal Resistance —	R _{th (j-c)}	DC (Total) (Junction-Case)	_	0.8	°C/W
	R _{th (j-a)}	Free Convection (Junction-Ambient)	_	15	°C/W

Note 2: A value per rectifier unit.

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