TOSHIBA 20L6P45

TOSHIBA RECTIFIER MODULE SILICON DIFFUSED TYPE

20L6P45

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=20A

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

Single In-line Package

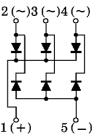
MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	v_{RRM}	800	V	
Average Output Rectified Current (Tc=105°C)	IO	20	A	
Peak One Cycle Surge Forward	$I_{ ext{FSM}}$	300 (50Hz)	A	
Current (Non-Repetitive)		330 (60Hz)		
Junction Temperature	T_j	-40~150	$^{\circ}\mathrm{C}$	
Storage Temperature	$ m 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

Unit in mm ### DEDEC — EIAJ — TOSHIBA 12-46A1A

Weight: 24g CONNECTION



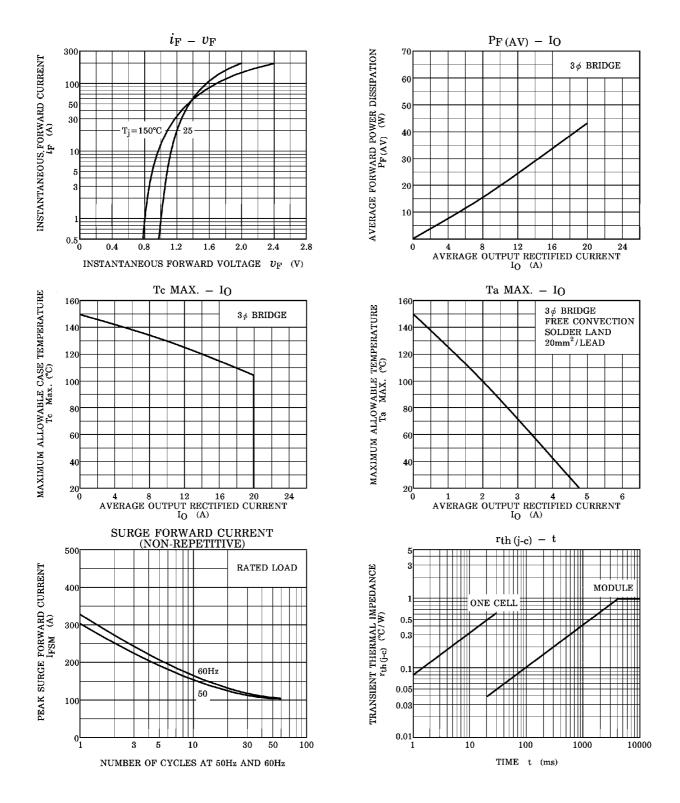
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

	ELECTROPIC CHARACTERISTICS (TG = 25 C)									
	CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT				
	Repetitive Peak Reverse Current	I _{RRM} (Note 2)	$V_{RRM} = 800V$	_	100	μ A				
	Peak Forward Voltage	V _{FM} (Note 2)	$I_{\text{FM}} = 20 \text{A}$	_	1.2	V				
Thermal Resistance	Thormal Registeres	$ m R_{th~(j-c)}$	DC (Total) (Junction-Case)	l	1.0	°C/W				
	$R_{th (j-a)}$	Free Convection (Junction-Ambient)	_	15	°C/W					

Note 2: A value per rectifier unit.

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