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

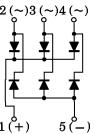
• Single In-line Package

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	$v_{ m RRM}$	800	V	
Average Output Rectified Current (Tc=105°C)	IO	20	A	
Peak One Cycle Surge Forward		300 (50Hz)	Α	
Current (Non-Repetitive)	I_{FSM}	330 (60Hz)	A	
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

Weight: 24g CONNECTION



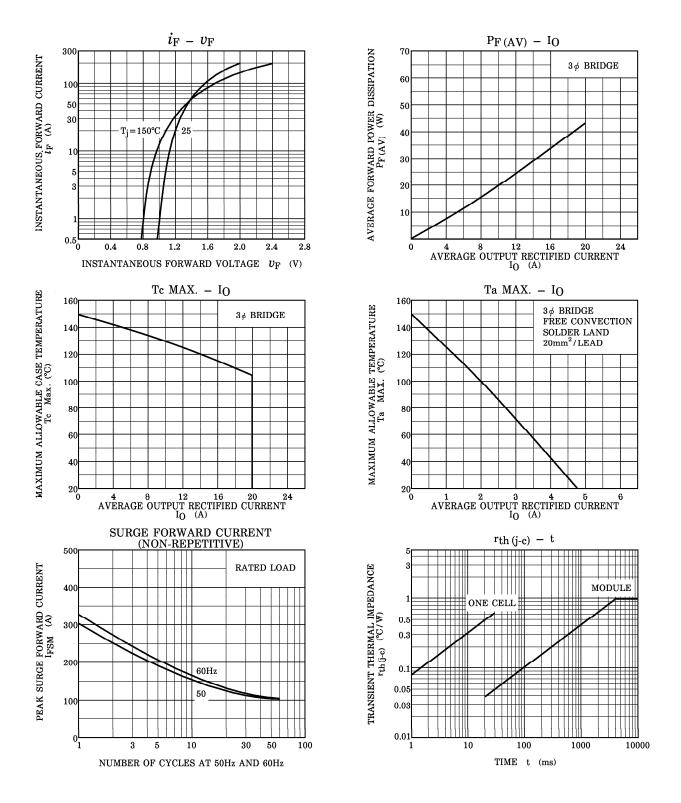
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

ELECTRICAL CITATION (CITETION ICS (IG = 25 G)						
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)	$I_{ extbf{FM}} = 20 extbf{A}$	_	1.2	V	
I Thermal Resistance —	$R_{ ext{th (j-c)}}$	DC (Total) (Junction-Case)	_	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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