TOSHIBA 20U6P45

TOSHIBA RECTIFIER MODULE SILICON DIFFUSED TYPE

20U6P45

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: VRRM=1600V

Average Output Rectified Current: IO=20A

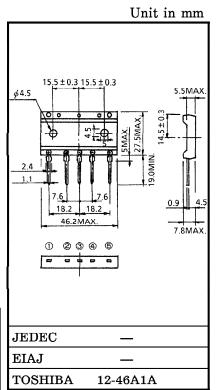
Isolation Voltage : $V_{Isol} = 2500V$ AC 60s

Single In-line Package

MAXIMUM RATINGS (Ta = 25°C)

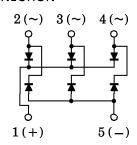
CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	1600	V	
Average Output Rectified Current	IO	20	A	
Peak One Cycle Surge Forward	Trong	200 (50Hz)	A	
Current (Non-Repetitive)	I_{FSM}	220 (60Hz)		
Junction Temperature	$\mathbf{T_{j}}$	-40~150	°C	
Storage Temperature	$\mathrm{T_{stg}}$	-40~150	°C	
Screw Torque (Note 1)	_	1.5	N⋅m	
Isolation Voltage (AC, t=60s)	V_{Isol}	2500	V	

(Note 1): Recommended torque 1.2N·m



Weight: 24g

CONNECTION



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ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Repetitive Peak Reverse Current	IRRM (Note 2)	V _{RRM} =1600V	_	_	100	μ A
Peak Forward Voltage	V _{FM} (Note 2)	$I_{\text{FM}} = 20 \text{A}$	_	_	1.2	V
Thermal Resistance	$R_{ ext{th (j-c)}}$	DC (Total) (Junction-Cace)	_	_	1.0	°C/W
	R _{th (j-a)}	Free Convection (Junction-Ambient)	_	_	15	

(Note 2): A value per rectifier unit.

