勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

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

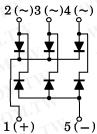
MAXIMUM RATINGS ($Ta = 25^{\circ}C$)

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_{FSM}	300 (50Hz)	"VYCO	
Current (Non-Repetitive)		330 (60Hz)	A	
Junction Temperature	T_{j}	-40~150	°C	
Storage Temperature	$\mathrm{T_{stg}}$	-40~125	°C	
Screw Torque (Note 1)	OMIT	1.5	N⋅m	
Isolation Voltage (AC, t=60s)	V_{Isol}	2000	VOO	

Note 1: Recommended torque 1.2 Nm

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





ELECTRICAL CHARACTERISTICS (Ta = 25°C)

ELECTRICAL CHARACTERISTIC	3 (10 = 23 C)		11.2		
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Repetitive Peak Reverse Current	I _{RRM} (Note 2)	V _{RRM} =800V	$O_{\overline{M},j}$	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

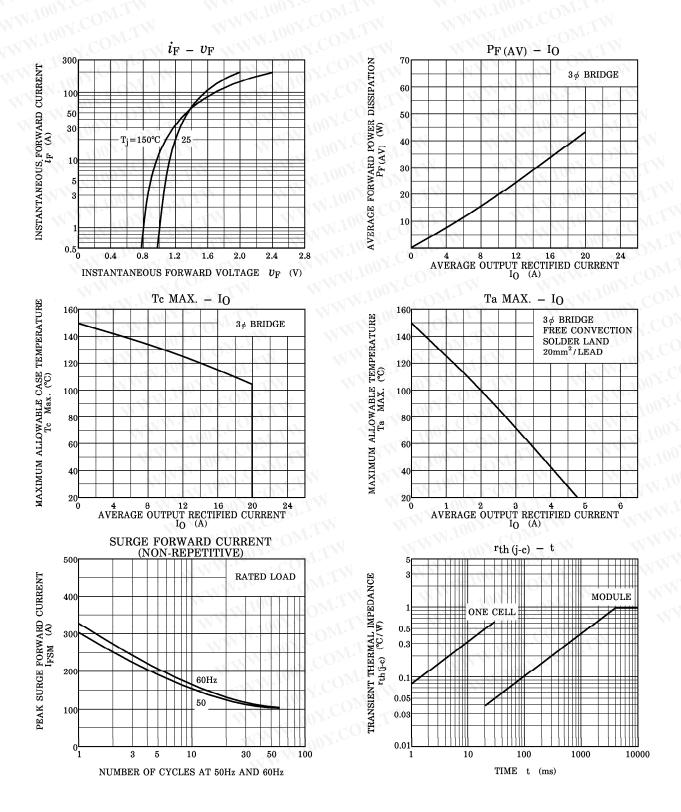
Note 2: A value per rectifier unit.

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