

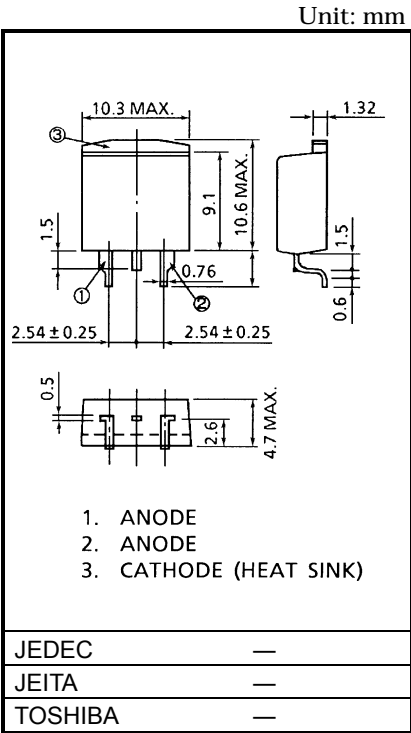
U10LC48

INVERTER EQUIPMENT FOR AC MOTOR CONTROL  
CHOPPER EQUIPMENT FOR DC MOTOR CONTROL  
OTHER POWER CONVERSION EQUIPMENT

- Repetitive Peak Reverse Voltage :  $V_{RRM} = 800\text{ V}$
- Average Forward Current :  $I_O = 10\text{ A}$
- TO-220 SM Package

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	800	V
Average Output Rectified Current	$I_O$	10	A
Peak One Cycle Surge Forward Current	$I_{FSM}$	180 (50Hz)	A
		198 (60Hz)	
Junction Temperature	$T_j$	-40~150	°C
Storage Temperature Range	$T_{stg}$	-40~150	°C

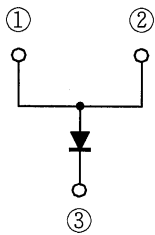


Weight: 1.7g

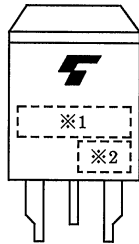
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP.	MAX	UNIT
Repetitive Peak Reverse Current	$I_{RRM}$	$V_{RRM} = 800V$	—	—	30	μA
Peak Forward Voltage	$V_{FM}$	$I_{FM} = 10A$	—	—	1.2	V
Thermal Resistance	$R_{th(j-c)}$	DC	—	—	2.0	°C / W

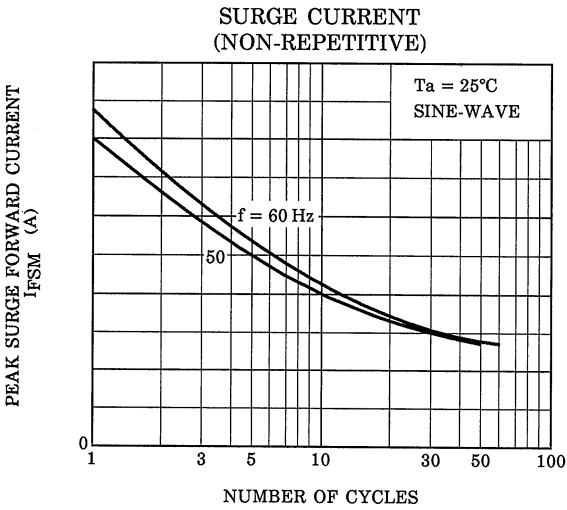
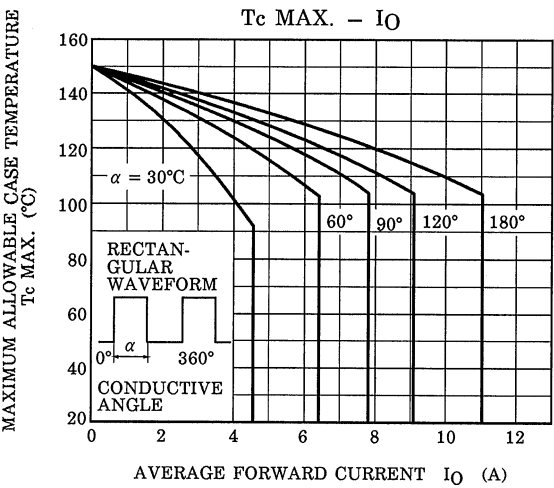
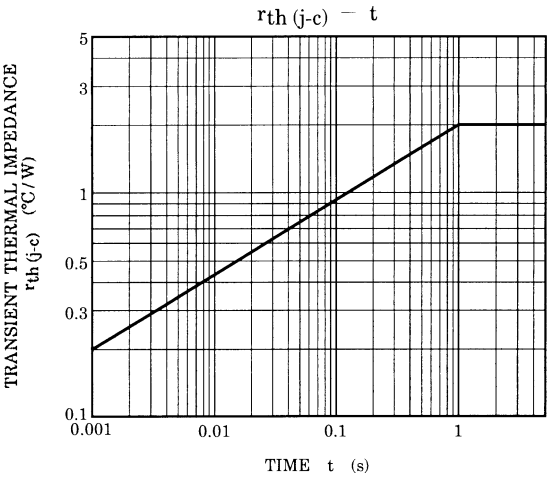
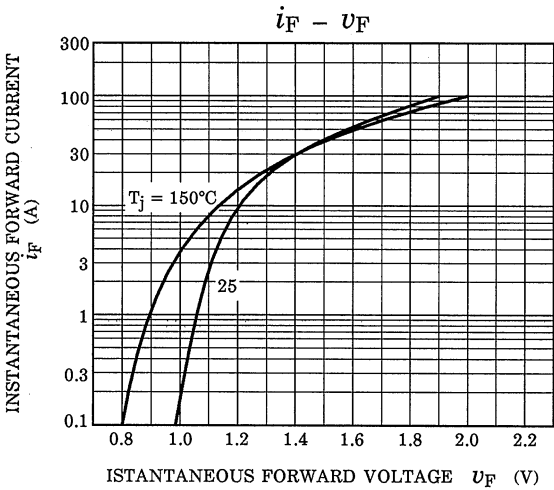
POLARITY



MARKING



* 1	MARK	10LC48	TYPE	U10LC48
* 2	Lot Number □ □ -Month (Starting from Alphabet A) └─ Year (Last Number of the Christian Era)			



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000707EAA

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