

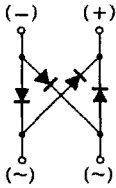
SILICON DIFFUSED TYPE
RECTIFIER STACK

U05(B, G, J)4B48

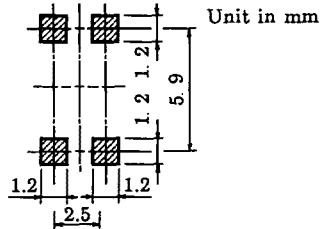
○ SINGLE PHASE BRIDGE RECTIFIER APPLICATIONS.

- Repetitive Peak Reverse Voltage : $V_{RRM}=100\sim600V$
- Average Output Rectified Current : $I_O=0.5A$ ($T_a=30^{\circ}C$)

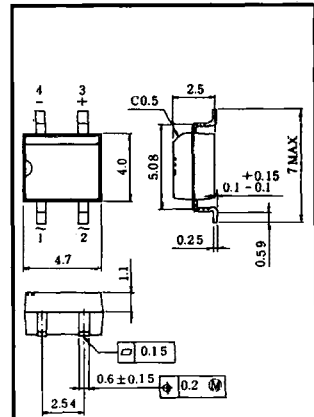
POLARITY



Standard Soldering Pad



Unit in mm



1. (-) 2. (-)
3. (+) 4. (-)

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATINGS	UNIT
Repetitive Peak Reverse Voltage	U05B4B48	100	V
	U05G4B48	400	
	U05J4B48	600	
Average Output Rectified Current ($T_a=30^{\circ}C$)	I_O	0.5	A
		0.8※	
Peak One Cycle Surge Forward Current (Non Repetitive)	I_{FSM}	30 (50Hz)	A
		33 (60Hz)	
Junction Temperature	T_j	-40~150	$^{\circ}C$
Storage Temperature Range	T_{stg}	-40~150	$^{\circ}C$

JEDEC	—
EIAJ	—
TOSHIBA	12-5A2A

Weight : 0.13g

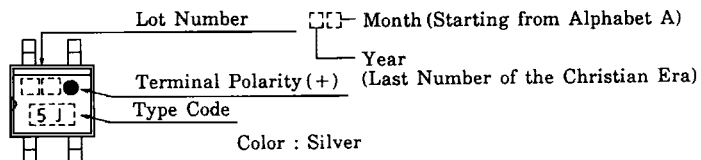
U05(B, G, J)4B48

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

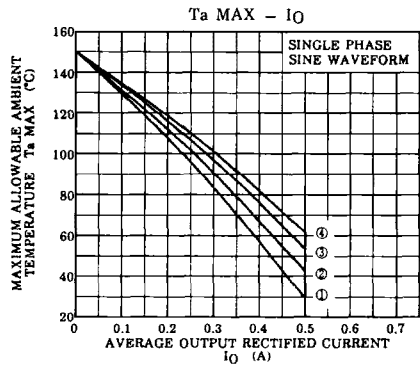
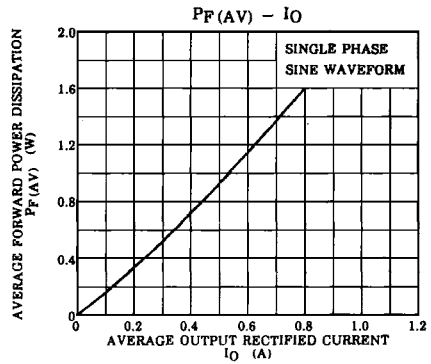
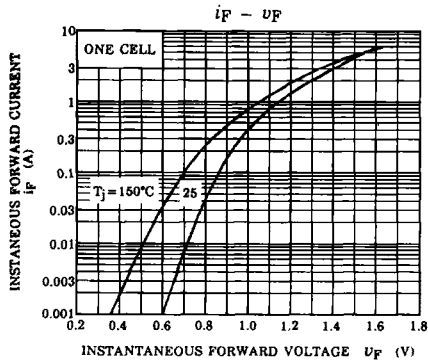
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V _{FM}	I _{FM} =0.4A	—	—	1.0	V
Repetitive Peak Reverse Current	I _R RM	V _R RM = Rated	—	—	10	μA
Thermal Resistance (Junction to Ambient)	R _{th} (j-a)	DC	—	—	130	°C/W
			—	—	75*	

* On alumina substrate

MARK



CODE	TYPE
5B	U05B4B48
5G	U05G4B48
5J	U05J4B48



- ① WITHOUT HEAT SINK
- ② SOLDER LAND 2×2mm
- ③ SOLDER LAND 5×5mm
- ④ SOLDER LAND 7×7mm

$a \times a$: SOLDER LAND SIZE
(ON GLASS-EPOXI SUBSTRATE)

