

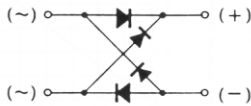


# 05(B, G, J)4B48

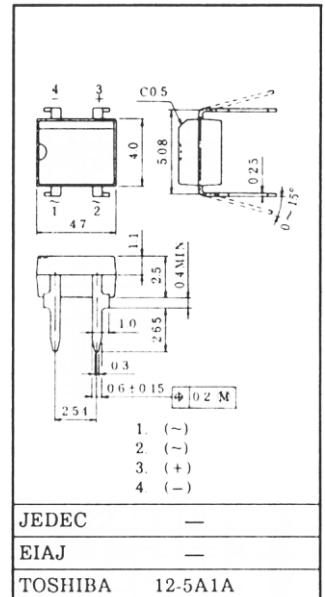
SILICON DIFFUSED TYPE RECTIFIER STACK  
Voltage Range 100 to 600 Volts Forward Current 0.5 Ampere

## Features

- ◆ Single phase bridge rectifier applications.
- Repetitive peak reverse voltage :  $V_{RRM}=100\sim600V$
- Average output rectified current :  $I_o=0.5A$  ( $T_a=30^\circ C$ )



Unit in mm



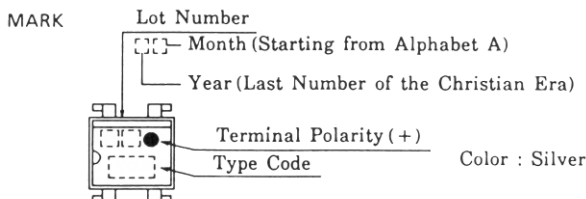
Weight : 0.14g

## Maximum Ratings

Characteristic	Symbol	Rated	Unit
Repetitive peak reverse voltage	05B4B48	100	Volts
	05G4B48	400	
	05J4B48	600	
Average output rectified current	$I_o$	0.5	Amp
Peak one cycle surge forward current (Non Repetitive)	$I_{FSM}$	30 (50Hz)	Amps
		33 (60Hz)	
Junction temperature	$T_J$	-40 to +150	$^\circ C$
Storage temperature range	$T_{STG}$	-40 to +150	$^\circ C$

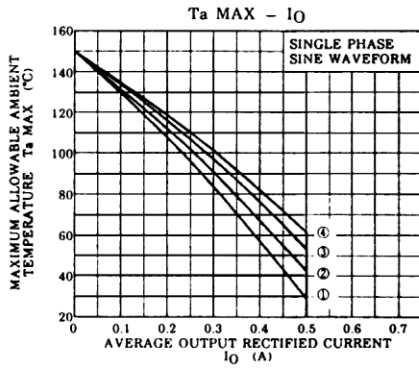
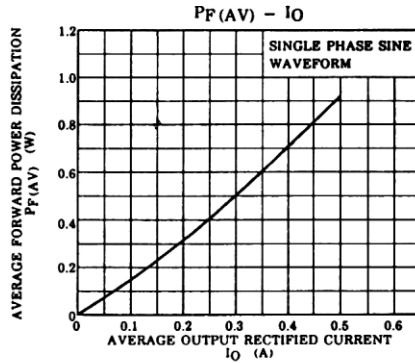
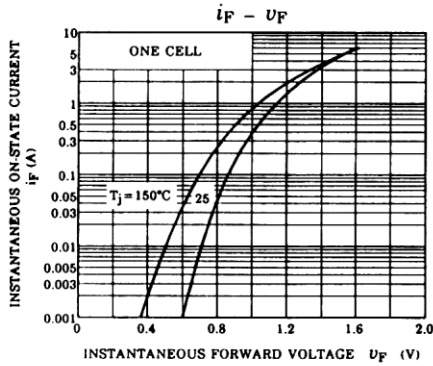
## Electrical Characteristics ( $T_a=25^\circ C$ )

Characteristic	Symbol	Test condition	Min.	Typ.	Max.	Unit
Peak forward voltage	$V_{FM}$	$I_{FM}=0.4A$	-	-	1.0	Volt
Repetitive peak reverse current	$I_{RRM}$	$V_{RRM}=\text{Rated}$	-	-	10	$\mu A$
Thermal resistance (Junction to Ambient)	$R_{\theta(j-a)}$	DC	-	-	130	$^\circ C/W$



CODE	TYPE
5B	05B4B48
5G	05G4B48
5J	05J4B48

# RATINGS AND CHARACTERISTIC CURVES



- ① WITHOUT HEAT SINK
  - ② SOLDER LAND  $2 \times 2\text{mm}$
  - ③ SOLDER LAND  $5 \times 5\text{mm}$
  - ④ SOLDER LAND  $7 \times 7\text{mm}$
- $a \times a$  : SOLDER LAND SIZE  
(ON GLASS EPOXI SUBSTRATE)

