

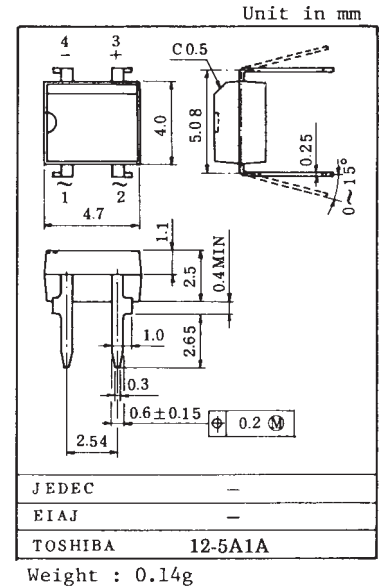
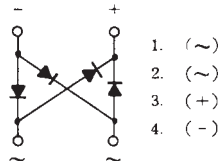
## SILICON DIFFUSED JUNCTION TYPE RECTIFIER STACK

**Reverse Voltage - 400 Volts**  
**Forward Current - 0.5 Ampere**

### Application: TELCOMMUNICATION APPLICATIONS

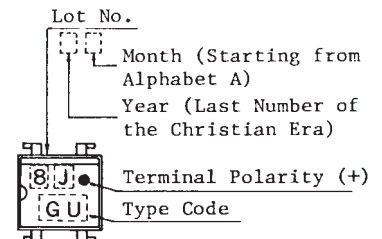
- Repetitive peak reverse voltage:  $V_{RRM}=400\text{Volts}$
- Average forward current:  $I_O=0.5\text{A}$  ( $T_A=47^\circ\text{C}$ )
- Glass passivated cavity-free junction
- Dual in line type
- Plastic mold package
- Low loss type

#### POLARITY



### Maximum Ratings ( $T_A=25^\circ\text{C}$ )

Characteristics	Symbols	Ratings	Units
Repetitive peak reverse voltage	$V_{RRM}$	400	Volts
Average output rectified current	$I_O$	0.5	Amp
Peak one cycle surge forward current (Non Repetitive)	$I_{FSM}$	30 (50Hz) 33 (60Hz)	Amps
Junction temperature	$T_J$	-40 to 150	$^\circ\text{C}$
Storage temperature range	$T_{stg}$	-40 to 150	$^\circ\text{C}$



Color:  
Silver

Symbol	DeviceType
GU	05GU4B48

### Electrical Characteristics ( $T_A=25^\circ\text{C}$ )

Characteristics	Symbols	Test Conditions	Min.	Typ.	Max.	Units
Peak forward voltage (Note)	$V_{FM}$	$I_{FM}=20\text{mA}$	-	-	0.65	Volt
Repetitive peak reverse current (Note)	$I_{RRM}$	$V_{RRM}=\text{Rated}$	-	-	100	$\mu\text{A}$
Thermal resistance	$R_{th(J-A)}$	Junction to Ambient	-	-	130	$^\circ\text{C/W}$

**Note:** A value of on cell.

05GU4B48

