



GOOD-ARK

05GU4B48

# SILICON DIFFUSED JUNCTION TYPE RECTIFIER STACK

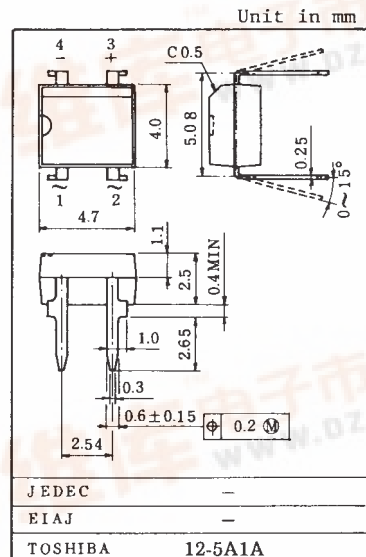
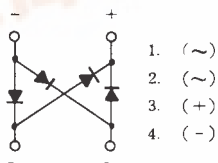
Reverse Voltage - 400 Volts

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

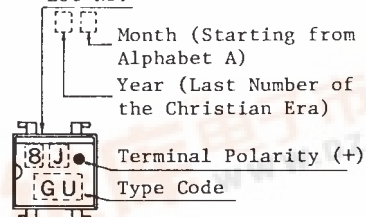
### POLARITY



## 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)<br>33 (60Hz) | Amps             |
| Junction temperature                                  | $T_J$     | -40 to 150             | $^\circ\text{C}$ |
| Storage temperature range                             | $T_{stg}$ | -40 to 150             | $^\circ\text{C}$ |

Lot No.



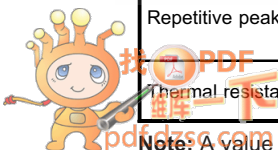
Color:  
Silver

| 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

