



05GU4B48

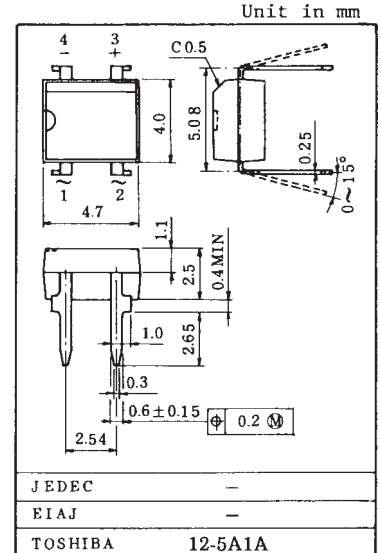
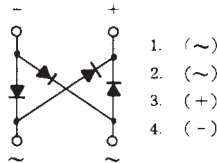
SILICON DIFFUSED JUNCTION TYPE RECTIFIER STACK

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

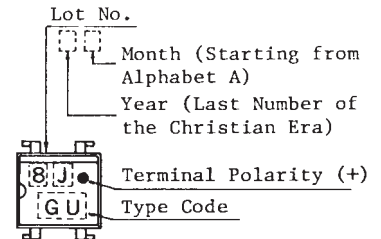
POLARITY



Weight : 0.14g

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 | μA |
| Thermal resistance | $R_{th(J-A)}$ | Junction to Ambient | - | - | 130 | $^\circ\text{C/W}$ |

Note: A value of on cell.

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