



U05(B, G, J)4B48

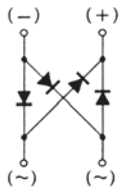
Silicon Diffused Type Rectifier Stack
Reverse Voltage 100 to 600 Volts Forward Current 0.5 Ampere

Features

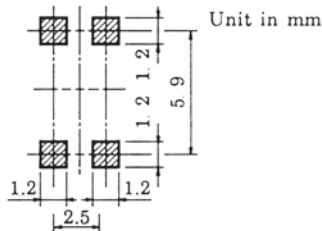
- ◆ Single phase bridge rectifier applications.
- Repetitive peak reverse voltage : $V_{RRM}=100\sim600V$
- Average output rectified current : $I_o=0.5A$ ($T_a=30^\circ C$)



POLARITY

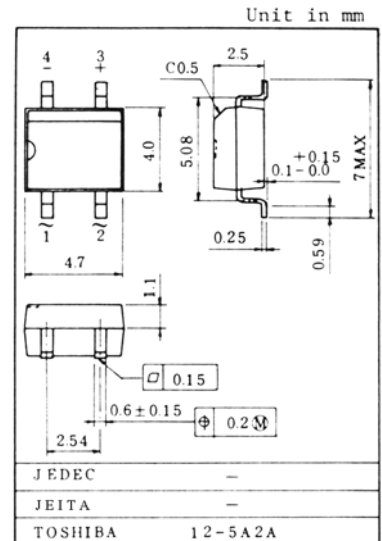


Standard Soldering Pad



Maximum Ratings

| Characteristic | Symbol | Rated | Unit |
|---|-----------|------------------------|------------|
| Repetitive peak reverse voltage | U05B4B48 | 100 | Volts |
| | U05G4B48 | 400 | |
| | U05J4B48 | 600 | |
| Average output rectified current ($T_a=30^\circ C$) | I_o | 0.5 0.8 * | Amp |
| Peak one cycle surge forward current (Non Repetitive) | I_{FSM} | 30 (50Hz) 33 (60Hz) | Amps |
| Junction temperature | T_J | -40 to +150 | $^\circ C$ |
| Storage temperature range | T_{STG} | -40 to +150 | $^\circ C$ |



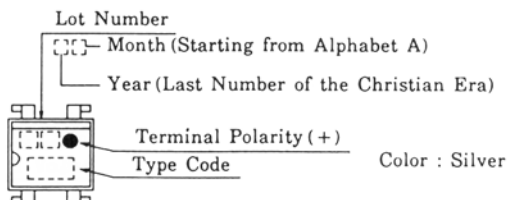
Weight : 0.13g

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 | μA |
| Thermal resistance (Junction to Ambient) | $R_{\theta(j-a)}$ | DC | - | - | 130 75 * | $^\circ C/W$ |

* On alumina substrate.

MARK



| CODE | TYPE |
|------|----------|
| 5B | U05B4B48 |
| 5G | U05G4B48 |
| 5J | U05J4B48 |

RATINGS AND CHARACTERISTIC CURVES

