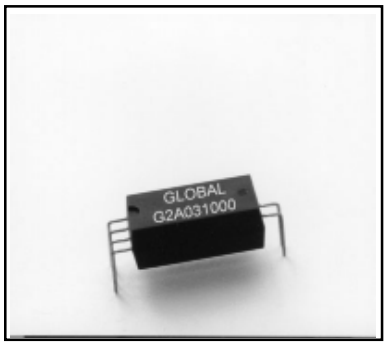
# G2Axx1000

## General Purpose Reed Relay



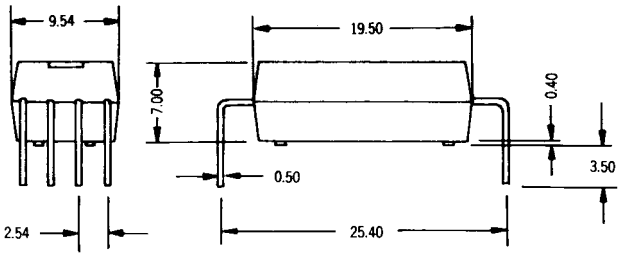

### ■ *Features*

- Molded epoxy body
- 1500 VDC isolation between coil and contact
- Cost Effective

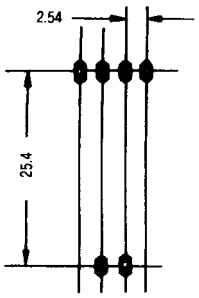
### ■ *Characteristics*

| | |
|---|---|
| Contact resistance | 100mOhm max., initial |
| Operate Time | 0.5msec max. |
| Bounce Time | 0.5msec max. |
| Release Time | 0.2 msec max. |
| Insulation Resistance | $10^{11}$ohm min. |
| Power | 10VA max. |
| Switching Voltage | 200VDC max. |
| Switching Current | 0.5 Amps max. |
| Carrying Current | 0.5 Amps max. |
| Life Expectancy | $10^{8}$ (signal level) |
| Minimum Breakdown Voltage | 250VDC across open contact<br>1500VAC between coil and contact |
| Operate Temperature | -40 - +85 C |
| Storage Temperature | -50 - +125 C |
| Minimum Permissible Load | 100mVDC 10m A |
| Vibration | 20g (10-2000Hz) |
| Shock | 30g (11ms 1/2 sine wave) |
| Resonant Frequency | 3.5KHz |

### ■ *Dimensions (unit:mm)*




### ■ *PCB Layout*




### ■ *Specifications (Contact Form: 2 Form A, DPST-NO)*

| Part Number | Nominal Voltage (VDC) | Coil Resistance +/10% | Must Operate (VDC) | Must Release (VDC) | Rated Current (mA) | Continuous Voltage (max) | Special Features | Circuit Schematic Top View |
|---|---|---|---|---|---|---|---|---|
| **G2A031000** | 3 | 63 | 2.10 | 0.3 | 47.6 | 6 | standard | |
| **G2A051000** | 5 | 250 | 3.50 | 0.5 | 20 | 10 | standard | |
| **G2A061000** | 6 | 250 | 4.20 | 0.6 | 24 | 10 | standard | |
| **G2A081000** | 8 | 700 | 5.60 | 0.8 | 11.4 | 12 | standard | |
| **G2A091000** | 9 | 700 | 6.30 | 0.9 | 12.9 | 15 | standard | |
| **G2A121000** | 12 | 1050 | 8.40 | 1.2 | 11.4 | 18 | standard | |
| **G2A241000** | 24 | 2080 | 16.80 | 2.4 | 11.5 | 30 | standard | |

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