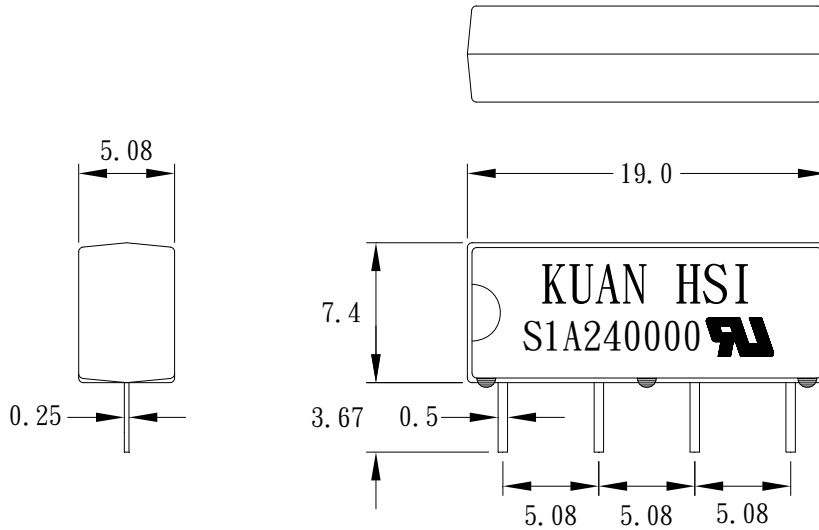


PRODUCT SPECIFICATION

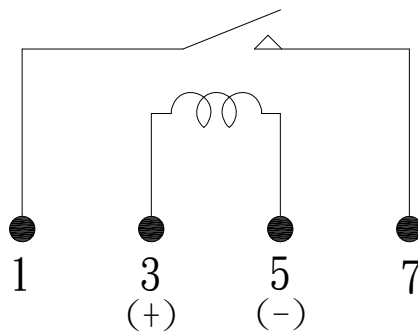
| | | | |
|-----------------------------------------|------------------|--------------|------|
| cosmo ELECTRONICS CORPORATION | Reed Relay : | NO. 50R05003 | REV. |
| | S1A240000 | SHEET 1 OF 2 | 4 |

1. OUTSIDE DIMENSION : UNIT (mm)



TOLERANCE : (1) 0. XX +/-0.1mm (2) X. XX +/-0.5mm (3) XX. XX +/-1.0mm

2. SCHEMATIC : TOP VIEW



PRODUCT SPECIFICATION

| | | | |
|-----------------------------------------|------------------|--------------|------|
| cosmo ELECTRONICS CORPORATION | Reed Relay : | NO. 50R05003 | REV. |
| | S1A240000 | SHEET 2 OF 2 | 4 |

3.0 COIL RATINGS : (AT 20°C)

| | | | | |
|-----|----------------------------|------|-----|--------|
| 3.1 | Coil resistance | 2000 | Ω | (±10%) |
| 3.2 | Nominal coil voltage | 24 | VDC | |
| 3.3 | Maximum Continuous voltage | 28 | VDC | |
| 3.4 | Must operate | 18 | VDC | |
| 3.5 | Must release | 2.4 | VDC | |
| 3.6 | Rated current | 12 | mA | |

4.0 ELECTRONICAL CHARACTERISTICS :

| | | | | |
|------|--------------------------|--------------------------|------------------|-----------|
| 4.1 | Contact resistance | 100 | mΩ | (max) |
| 4.2 | Operate time | 0.5 | ms | (max) |
| 4.3 | Bounce time | 0.5 | ms | (max) |
| 4.4 | Release time | 0.2 | ms | (max) |
| 4.5 | Insulation resistance | (100 VDC open contact) | 10 ¹¹ | Ω (min) |
| 4.6 | Power | 10 | VA | (max) |
| 4.7 | Switching voltage | 200 | VDC | (max) |
| 4.8 | Switching current | 0.5 | A | (max) |
| 4.9 | Carry current | 1.0 | A | (max) |
| 4.10 | Breakdown voltage | (across open contact) | 250 | VDC (min) |
| | | (between coil & contact) | 1000 | VDC (min) |
| 4.11 | Life expectancy | (signal level) | 10 ⁸ | |
| 4.12 | Operating temp | | -40 to 85°C | |
| 4.13 | Storage temp | | -50 to 125°C | |
| 4.14 | Resonant frequency | | 3.5 | KHZ |
| 4.15 | Vibration (10-2000HZ) | | 20 | g (max) |
| 4.16 | Minimum permissible load | | 100 | mVDC 10uA |