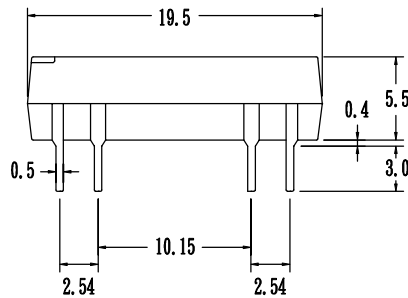
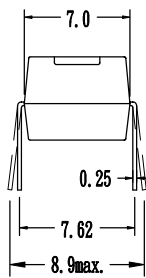
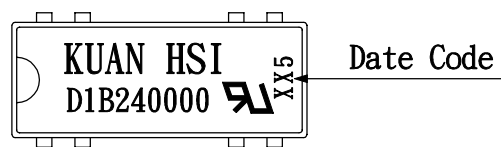


# PRODUCT SPECIFICATION

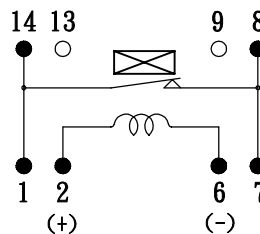
|                                         |                                        |                     |
|-----------------------------------------|----------------------------------------|---------------------|
| <b>COSMO</b><br>ELECTRONICS CORPORATION | <b>REED RELAY:</b><br><b>D1B240000</b> | <b>SHEET 1 OF 2</b> |
|-----------------------------------------|----------------------------------------|---------------------|

## 1. OUTSIDE DIMENSION : UNIT ( mm )



TOLERANCE :  $\pm 0.1\text{mm}$

## 2. SCHEMATIC : TOP VIEW



# PRODUCT SPECIFICATION

|                                         |                                 |              |
|-----------------------------------------|---------------------------------|--------------|
| <b>COSMO</b><br>ELECTRONICS CORPORATION | REED RELAY:<br><b>D1B240000</b> | SHEET 2 OF 2 |
|-----------------------------------------|---------------------------------|--------------|

## 3.0 COIL RATINGS: (AT 20°C)

|                                |      |                         |
|--------------------------------|------|-------------------------|
| 3.1 Coil resistance            | 2150 | $\Omega$ ( $\pm 10\%$ ) |
| 3.2 Nominal coil current       | 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              | 11.1 | mA                      |

## 4.0 ELECTRONICAL CHARACTERISTICS:

|                                                  |              |                  |
|--------------------------------------------------|--------------|------------------|
| 4.1 Contact resistance                           | 100          | m $\Omega$ (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) | $10^{11}$    | $\Omega$ (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)                         | 500          | 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        |

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