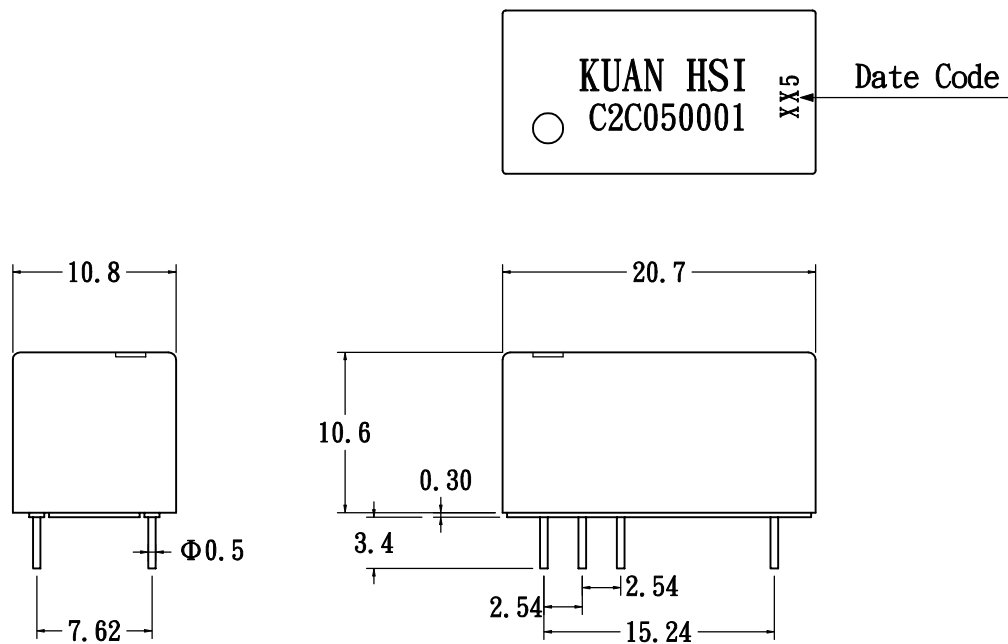


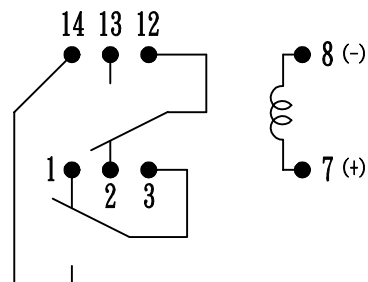
# PRODUCT SPECIFICATION

|   |                                 |              |
|---|---------------------------------|--------------|
| <b>COSMO</b><br>ELECTRONICS CORPORATION | REED RELAY:<br><b>C2C050001</b> | SHEET 1 OF 2 |
|---|---------------------------------|--------------|

## 1. OUTSIDE DIMENSION : UNIT ( mm )



## 2. SCHEMATIC : TOP VIEW



# PRODUCT SPECIFICATION

|   |                                 |              |
|---|---------------------------------|--------------|
| <b>COSMO</b><br>ELECTRONICS CORPORATION | REED RELAY:<br><b>C2C050001</b> | SHEET 2 OF 2 |
|---|---------------------------------|--------------|

## 3.0 COIL RATINGS: (AT 20°C)

|     |                            |      |          |                |
|-----|----------------------------|------|----------|----------------|
| 3.1 | Coil resistance            | 200  | $\Omega$ | ( $\pm 10\%$ ) |
| 3.2 | Nominal coil current       | 5    | VDC      |                |
| 3.3 | Maximum Continuous voltage | 10   | VDC      |                |
| 3.4 | Must operate               | 3.75 | VDC      |                |
| 3.5 | Must release               | 0.75 | VDC      |                |
| 3.6 | Rated current              | 25   | mA       |                |

## 4.0 ELECTRONICAL CHARACTERISTICS:

|      |                          |                 |                    |                |
|------|--------------------------|-----------------|--------------------|----------------|
| 4.1  | Contact resistance       | 150             | m $\Omega$         | (max)          |
| 4.2  | Operate time             | 0.7             | ms                 | (max)          |
| 4.3  | Bounce time              | 0.5             | ms                 | (max)          |
| 4.4  | Release time             | 1.0             | ms                 | (max)          |
| 4.5  | Insulation resistance    | $10^9$          | $\Omega$           | (min)          |
|      | (100 VDC open contact)   |                 |                    |                |
| 4.6  | Power                    | 3.0             | VA                 | (max)          |
| 4.7  | Switching voltage        | 100             | VDC                | (max)          |
| 4.8  | Switching current        | 0.25            | A                  | (max)          |
| 4.9  | Carry current            | 0.5             | A                  | (max)          |
| 4.10 | Breakdown voltage        | 200             | VDC                | (min)          |
|      | (across open contact)    |                 |                    |                |
|      | (between coil & contact) | 4000            | VDC                | (min)          |
| 4.11 | Life expectancy          | $5 \times 10^7$ |                    | (signal level) |
| 4.12 | Operating temp           | -40 to 85       | $^{\circ}\text{C}$ |                |
| 4.13 | Storage temp             | -50 to 125      | $^{\circ}\text{C}$ |                |
| 4.14 | Resonant frequency       | 3.5             | KHZ                |                |
| 4.15 | Vibration (10-2000HZ)    | 20              | g                  | (max)          |
| 4.16 | Minimum permissible load | 100             | mVDC               | 10uA           |