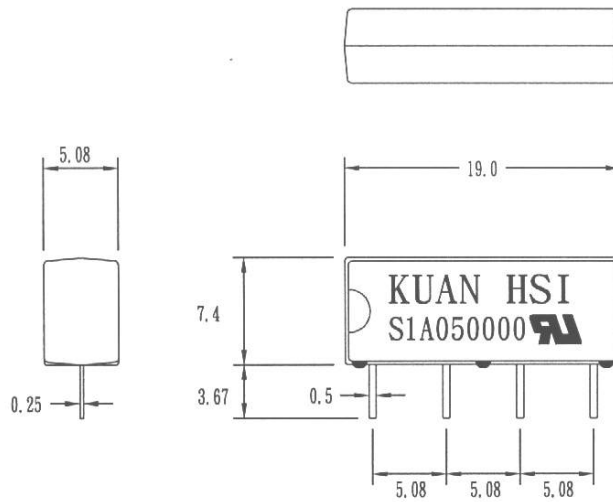


# PRODUCT SPECIFICATION

DATE: 06/03/02'

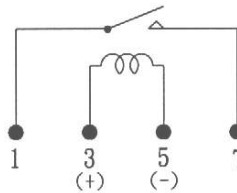
COSMO ELECTRONICS CORPORATION	REED RELAY: S1A050000	NO. 50R05001	REV.
		SHEET 1 OF 2	5

## 1. OUTSIDE DIMENSION : UNIT ( mm )



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

## 2. SCHEMATIC : TOP VIEW



# PRODUCT SPECIFICATION

DATE: 06/03/02'

COSMO ELECTRONICS CORPORATION	REED RELAY:	NO. 50R05001	REV.
	S1A050000	SHEET 2 OF 2	5

### 3.0 COIL RATINGS: (AT 20°C)

3.1 Coil resistance	500	Ω	(±10%)
3.2 Nominal coil voltage	5	VDC	
3.3 Maximun Continuous voltage	10	VDC	
3.4 Must operate	3.75	VDC	
3.5 Must release	1.0	VDC	
3.6 Rated current	10	mA	

### 4.0 ELECTRONICAL CHARACTERISTICS:

4.1 Contact resistance	100	mΩ	(max)
4.2 Operate time (incl. boune time)	0.5	ms	(max)
4.3 Release time	0.2	ms	(max)
4.4 Insulation resistance (100 VDC open contact)	10 <sup>11</sup>	Ω	(min)
4.5 Power	10	VA	(max)
4.6 Switching voltage	200	VDC	(max)
4.7 Switching current	0.5	A	(max)
4.8 Carry current	1.0	A	(max)
4.9 Breakdown voltage (across open contact)	250	VDC	(min)
			(between coil & contact)
	1000	VDC	(min)
4.10 Life expectancy (signal level)	5*10 <sup>7</sup>		
4.11 Operating temp	-40 to 85	°C	
4.12 Storage temp	-40 to 125	°C	
4.13 Resonant frequency	3.5	KHZ	
4.14 Vibration (10-2000HZ)	20	g	(max)
4.15 Minimum permissible load	100	mVDC	10uA