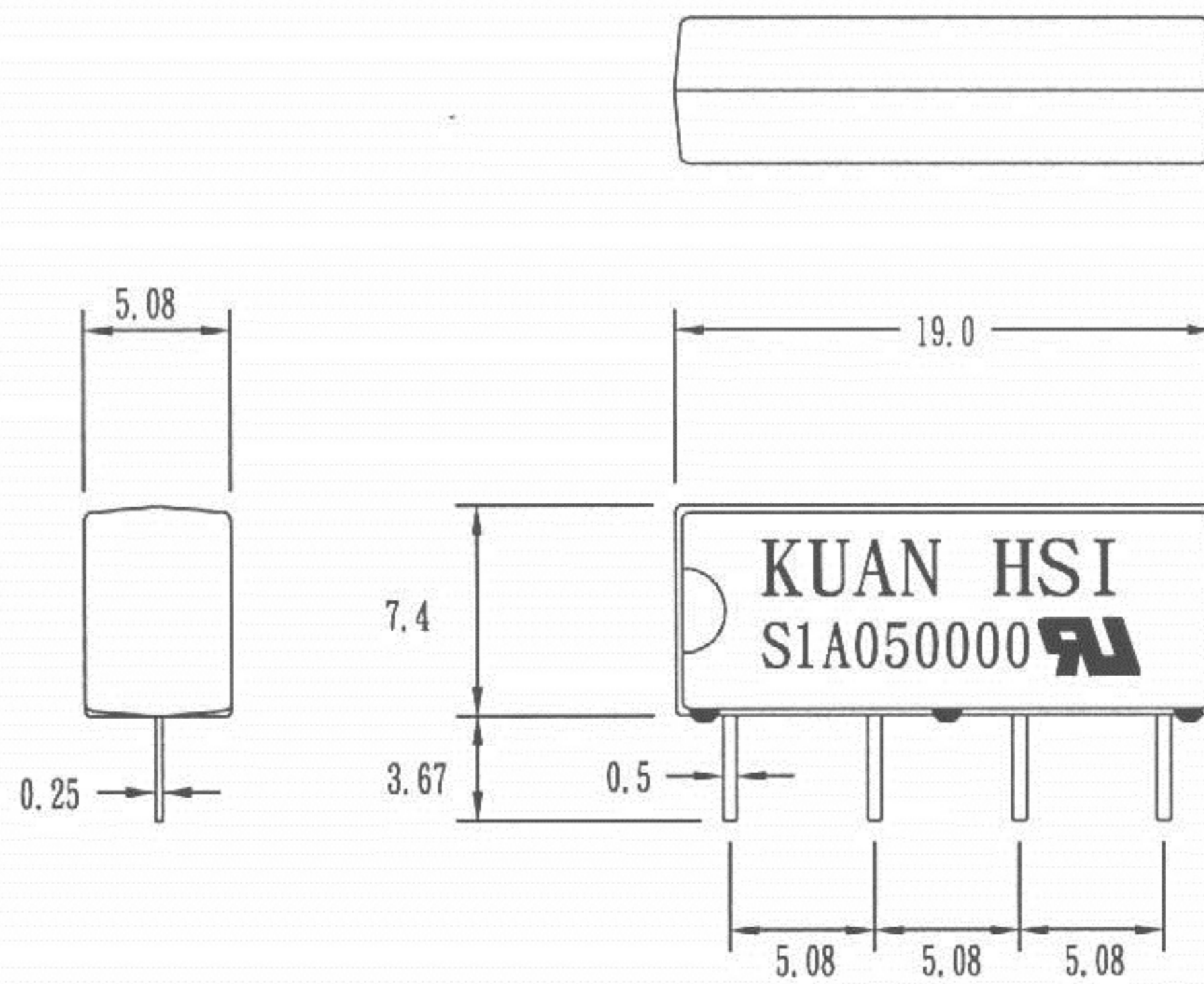


# PRODUCT SPECIFICATION

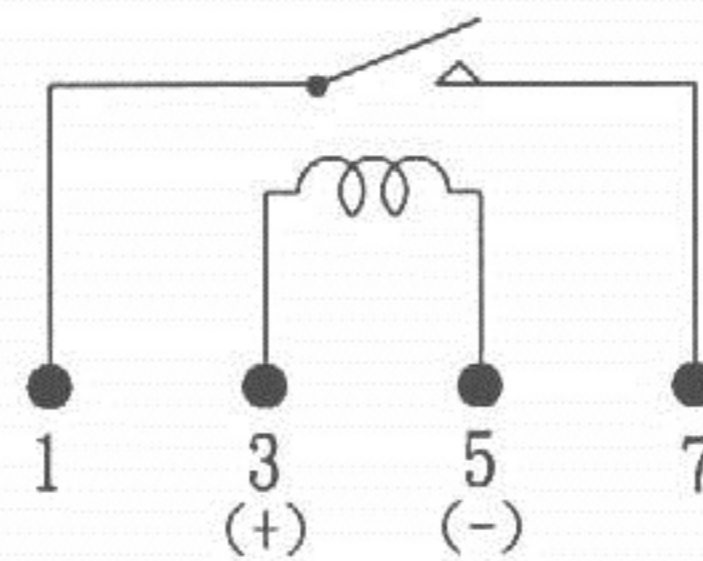
COSMO ELECTRONICS CORPORATION	REED RELAY: S1A050000	NO. 50R05001	REV.
		SHEET 1 OF 2	5

## 1. OUTSIDE DIMENSION : UNIT ( mm )



TOLERANCE :  $\pm 0.1$ mm

## 2. SCHEMATIC : TOP VIEW



# PRODUCT SPECIFICATION

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

### 3.0 COIL RATINGS: (AT 20°C)

3.1 Coil resistance	500	$\Omega$	(+10%)
3.2 Nominal coil voltage	5	VDC	
3.3 Maximum 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	$m\Omega$	(max)
4.2 Operate time (incl. bounce time)	0.5	ms	(max)
4.3 Release time	0.2	ms	(max)
4.4 Insulation resistance (100 VDC open contact)	$10^{11}$	$\Omega$	(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)	$5 \times 10^7$		
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