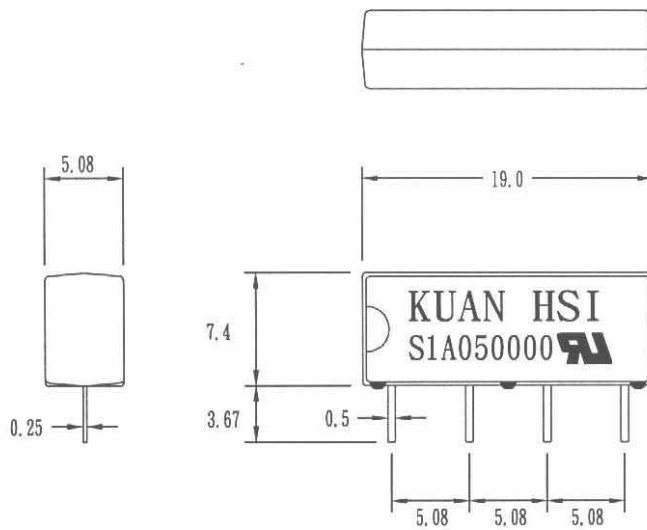


# PRODUCT SPECIFICATION

DATE: 06/03/02'

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

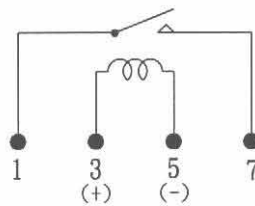
## 1. OUTSIDE DIMENSION : UNIT ( mm )



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	$\Omega$ ( $\pm 10\%$ )
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	m $\Omega$ (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>	$\Omega$ (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*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