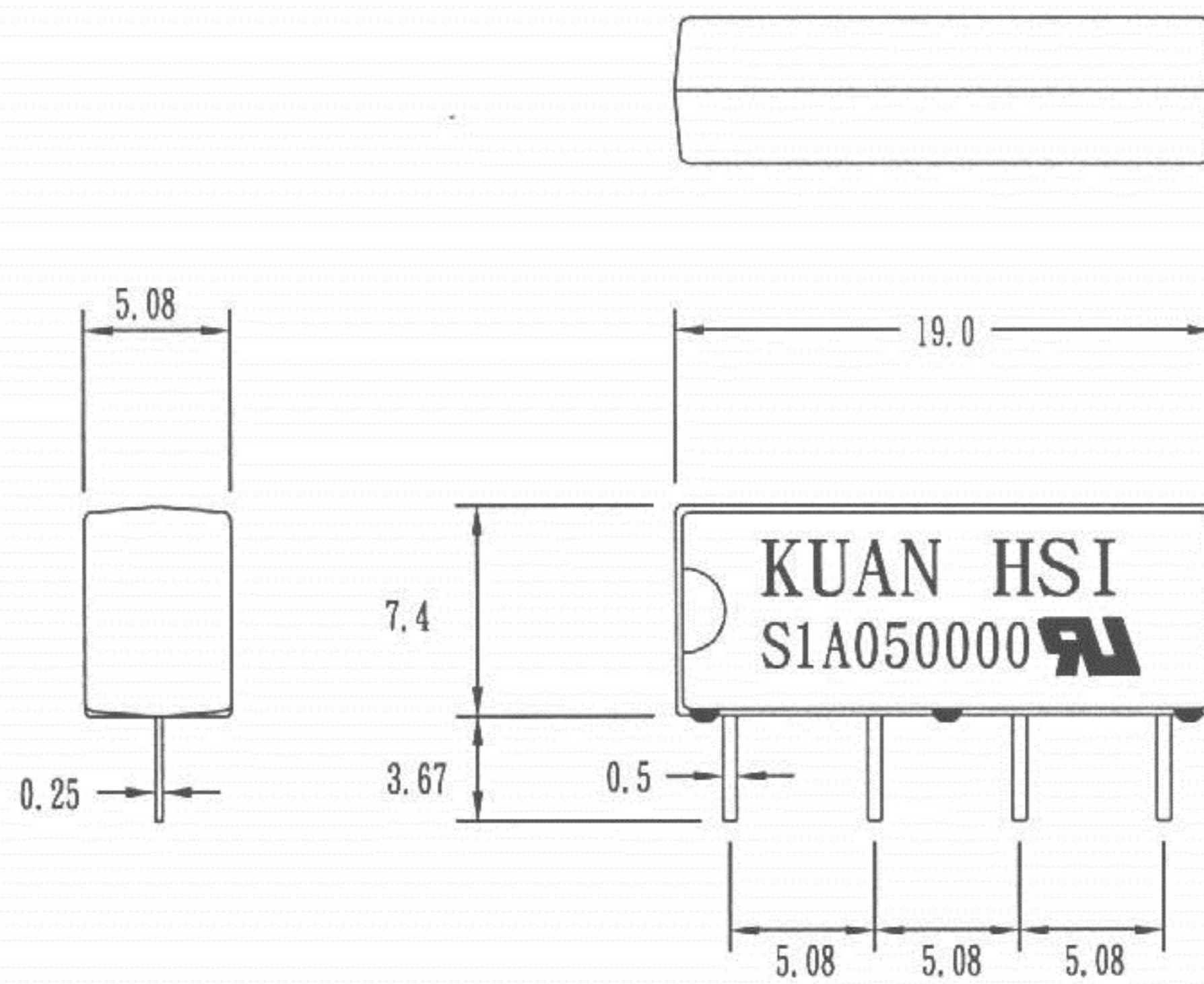


PRODUCT SPECIFICATION

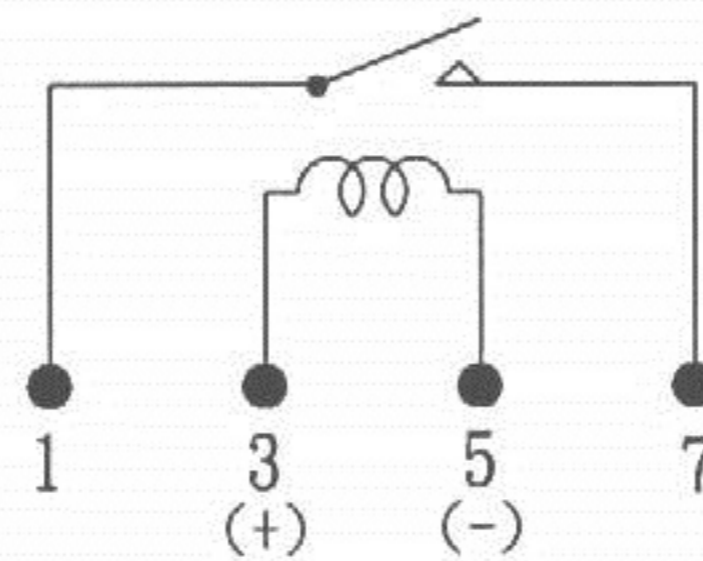
COSMO ELECTRONICS CORPORATION	REED RELAY: S1A050000	NO. 50R05001	REV.
		SHEET 1 OF 2	5

1. OUTSIDE DIMENSION : UNIT (mm)



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

2. SCHEMATIC : TOP VIEW



PRODUCT SPECIFICATION

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	($\pm 10\%$)
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 ELECTRICAL CHARACTERISTICS:

4.1	Contact resistance	100	m Ω	(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}	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)	5×10^7		
4.11	Operating temp	-40 to 85	$^{\circ}\text{C}$	
4.12	Storage temp	-40 to 125	$^{\circ}\text{C}$	
4.13	Resonant frequency	3.5	KHZ	
4.14	Vibration (10-2000HZ)	20	g	(max)
4.15	Minimum permissible load	100	mVDC	10uA

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