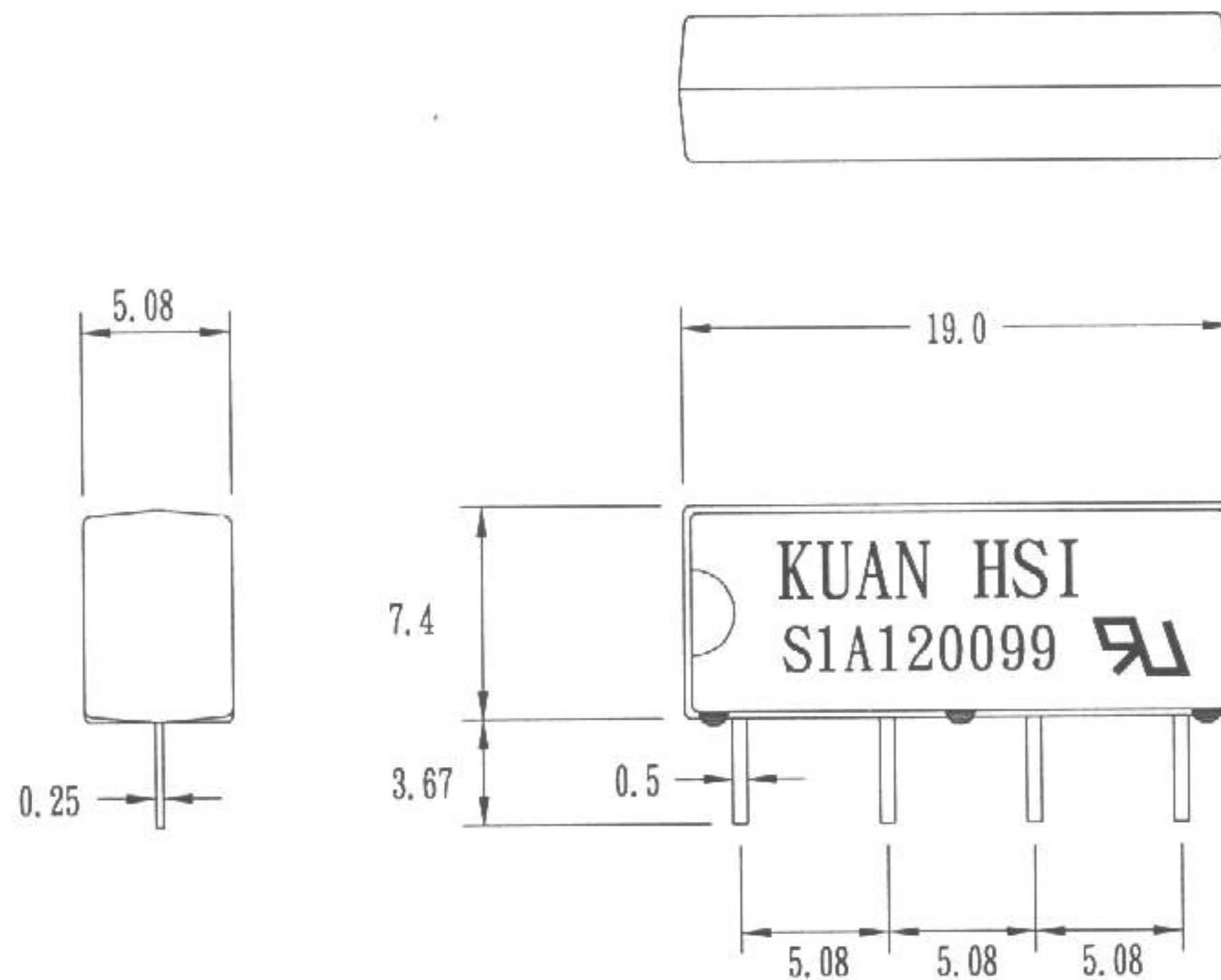


# PRODUCT SPECIFICATION

DATE: 03/26/00'

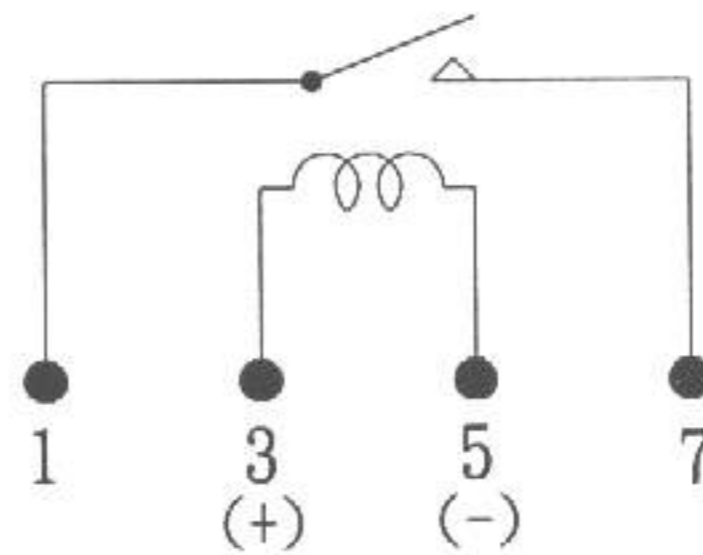
<b>COSMO</b> ELECTRONICS CORPORATION	REED RELAY: <b>S1A120099</b>	NO. 50R05015	REV.
		SHEET 1 OF 2	2

## 1. OUTSIDE DIMENSION : UNIT ( mm )



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

## 2. SCHEMATIC : TOP VIEW



ISSUE <i>Dean Yu</i> <i>03-28-00</i>	CHECK <i>Alan Lui 03-29-00</i>	APPROVED <i>Stan Hsu 4-1-00</i>
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# PRODUCT SPECIFICATION

DATE: 03/26/00'

<b>COSMO</b> ELECTRONICS CORPORATION	REED RELAY: <b>S1A120099</b>	NO. 50R05015 SHEET 2 OF 2	REV. 2
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3.0 COIL RATINGS: (AT 20°C)

3.1 Coil resistance	3000	Ω (±10%)
3.2 Nominal coil current	12	VDC
3.3 Maximum Continuous voltage	28	VDC
3.4 Must operate	9	VDC
3.5 Must release	1.2	VDC
3.6 Rated current	4	mA

4.0 ELECTRONICAL CHARACTERISTICS:

4.1 Contact resistance	100	mΩ (max)
4.2 Operate time	0.5	ms (max)
4.3 Bounce time	0.5	ms (max)
4.4 Release time	0.2	ms (max)
4.5 Insulation resistance (100 VDC open contact)	10 <sup>11</sup>	Ω (min)
4.6 Power	10	VA (max)
4.7 Switching voltage	200	VDC (max)
4.8 Switching current	0.5	A (max)
4.9 Carry current	1.0	A (max)
4.10 Breakdown voltage (across open contact)	250	VDC (min)
(between coil & contact)	1000	VDC (min)
4.11 Life expectancy (signal level)	10 <sup>8</sup>	
4.12 Operating temp	-40 to 85°C	
4.13 Storage temp	-40 to 125°C	
4.14 Resonant frequency	3.5	KHZ
4.15 Vibration (10-2000HZ)	20	g (max)
4.16 Minimum permissible load	100	mVDC 10uA

ISSUE <i>Dean Yu.</i> <i>03-28-00</i>	CHECK <i>Alan Lai 03-29-00</i>	APPROVED 
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