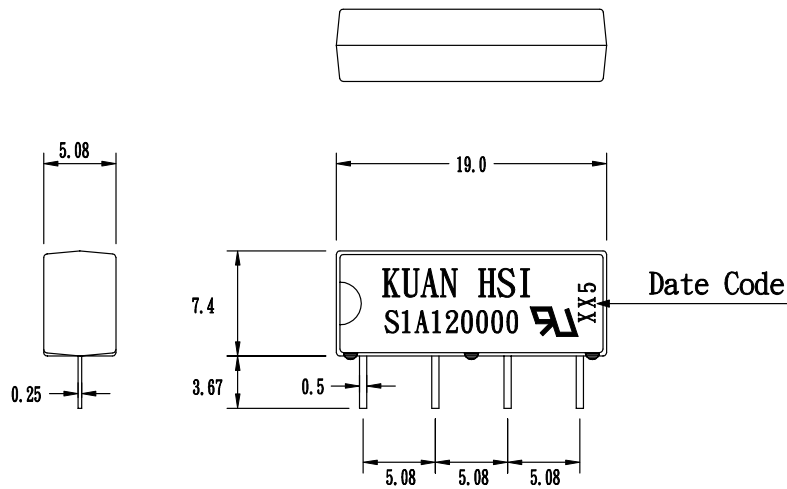


# PRODUCT SPECIFICATION

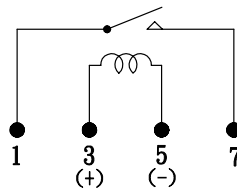
<b>COSMO</b> ELECTRONICS CORPORATION	REED RELAY: <b>S1A120000</b>	SHEET 1 OF 2
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## 1. OUTSIDE DIMENSION : UNIT ( mm )



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

## 2. SCHEMATIC : TOP VIEW



# PRODUCT SPECIFICATION

<b>COSMO</b> ELECTRONICS CORPORATION	REED RELAY: <b>S1A120000</b>	SHEET 2 OF 2
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## 3.0 COIL RATINGS: (AT 20°C)

3.1 Coil resistance	1000	$\Omega$ ( $\pm 10\%$ )
3.2 Nominal coil current	12	VDC
3.3 Maximum Continuous voltage	20	VDC
3.4 Must operate	9	VDC
3.5 Must release	1.2	VDC
3.6 Rated current	12	mA

## 4.0 ELECTRONICAL CHARACTERISTICS:

4.1 Contact resistance	100	$m\Omega$ (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)	$10^{11}$	$\Omega$ (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)	$10^8$	
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