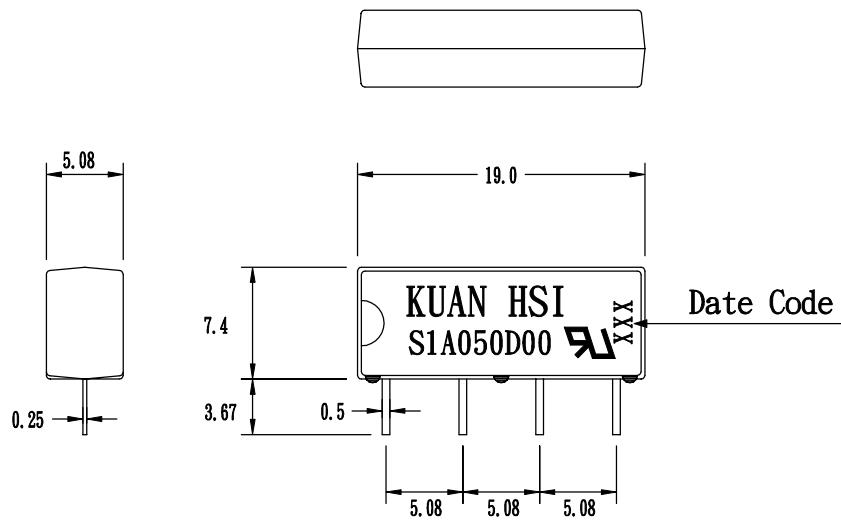


# PRODUCT SPECIFICATION

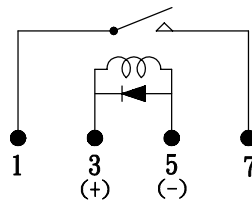
<b>COSMO</b> ELECTRONICS CORPORATION	REED RELAY: <b>S1A050D00</b>	SHEET 1 OF 2
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## 1. OUTSIDE DIMENSION : UNIT ( mm )



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

## 2. SCHEMATIC : TOP VIEW



# PRODUCT SPECIFICATION

<b>COSMO</b> ELECTRONICS CORPORATION	REED RELAY: <b>S1A050D00</b>	SHEET 2 OF 2
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## 3.0 COIL RATINGS: (AT 20°C)

3.1 Coil resistance	500	$\Omega$	( $\pm 10\%$ )
3.2 Nominal coil current	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	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