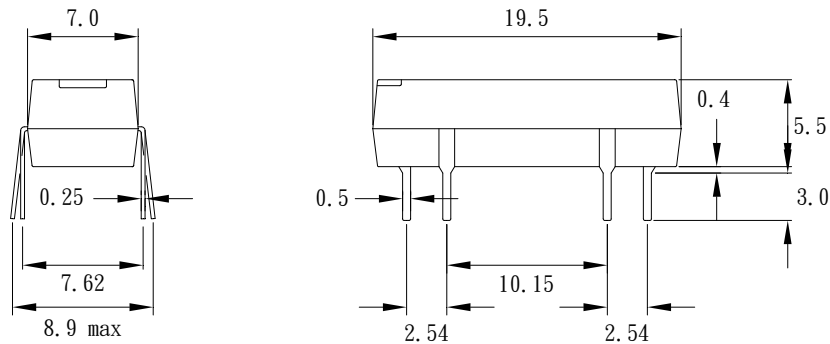


# PRODUCT SPECIFICATION

DATE: 03/01/12'

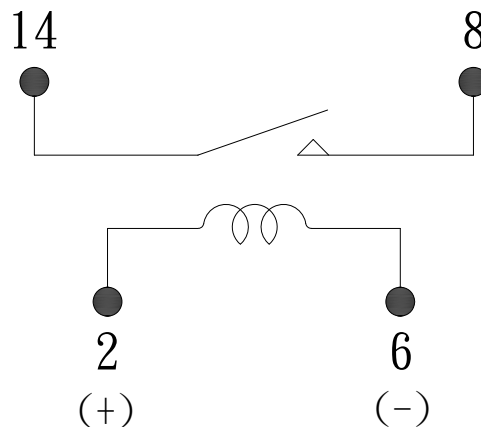
<b>cosmo</b> ELECTRONICS CORPORATION	Reed Relay :	NO. 50R03002	REV.
	<b>DH1A120000</b>	SHEET 1 OF 2	3

## 1. OUTSIDE DIMENSION : UNIT ( mm )



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

## 2. SCHEMATIC : TOP VIEW



# PRODUCT SPECIFICATION

DATE: 03/01/12'

<b>cosmo</b> ELECTRONICS CORPORATION	Reed Relay :	NO. 50R03002	REV.
	<b>DH1A120000</b>	SHEET 2 OF 2	3

## 3.0 COIL RATINGS : (AT 20°C)

3.1	Coil resistance	1000	Ω	(±10%)
3.2	Nominal coil voltage	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	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)	4000	VAC (RMS)
4.11	Life expectancy	(signal level)	10 <sup>8</sup>	
4.12	Operating temp		-40 to 85°C	
4.13	Storage temp		-50 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