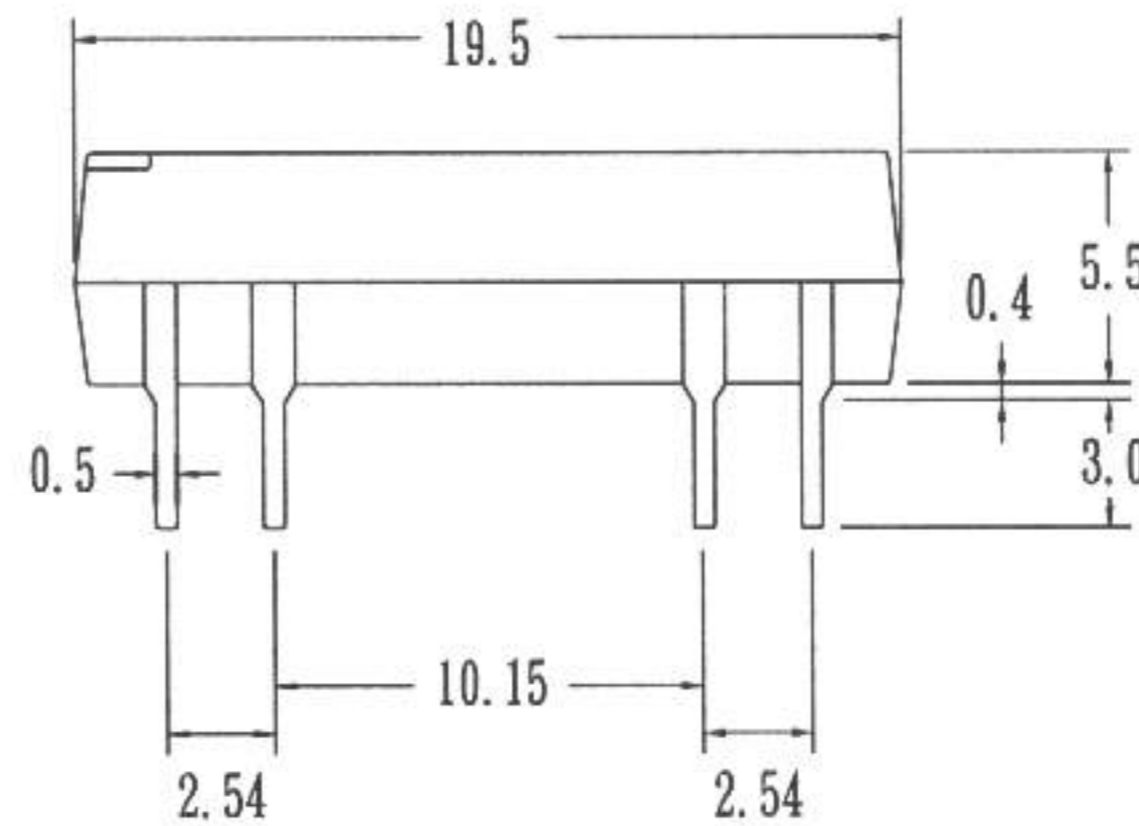
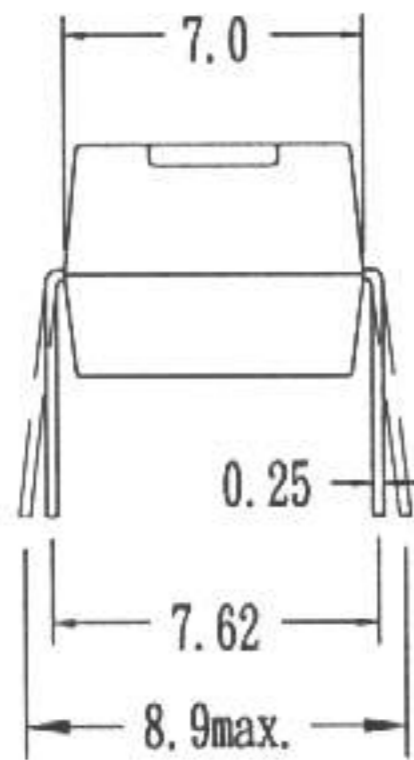


# PRODUCT SPECIFICATION

DATE: 03/26/00

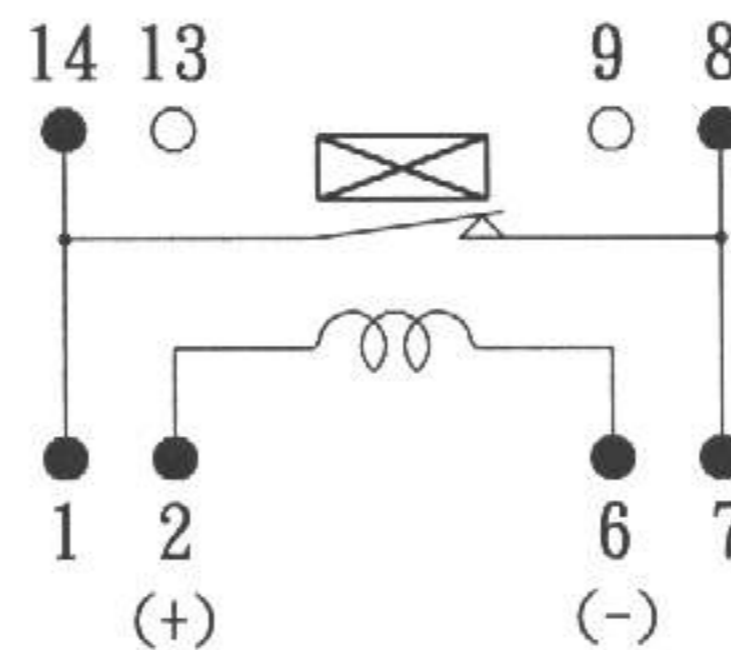
<b>COSMO</b> ELECTRONICS CORPORATION	REED RELAY: <b>D1B120000</b>	NO. 50R01008	REV.
		SHEET 1 OF 2	2

## 1. OUTSIDE DIMENSION : UNIT ( mm )



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

## 2. SCHEMATIC : TOP VIEW



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

DATE: 03/26/00'

<b>COSMO</b> ELECTRONICS CORPORATION	REED RELAY: <b>D1B120000</b>	NO. 50R01008 SHEET 2 OF 2	REV. 2
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3.0 COIL RATINGS: (AT 20°C)

3.1 Coil resistance	1000	Ω	(±10%)
3.2 Nominal coil current	12	VDC	
3.3 Maximum Continuous voltage	15	VDC	
3.4 Must operate	9	VDC	
3.5 Must release	1.2	VDC	
3.6 Rated current	12	mA	

4.0 ELECTRICAL 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)
		500	VDC (min)
		10 <sup>8</sup>	
4.11 Life expectancy (signal level)			
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

ISSUE <i>Dean. Yu.</i> <i>03-28-00</i>	CHECK <i>Alan Sei 03-29-00</i>	APPROVED <i>Stem Hou 4-1-00</i>
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