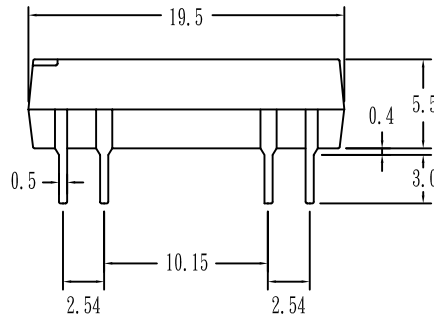
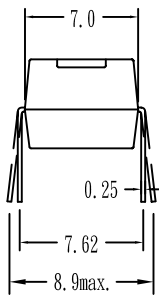


PRODUCT SPECIFICATION

DATE: 12/17/04'

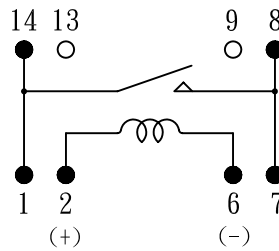
COSMO ELECTRONICS CORPORATION	REED RELAY:	NO. 50R01002	REV.
	D1A120000	SHEET 1 OF 2	3

1. OUTSIDE DIMENSION : UNIT (mm)



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

2. SCHEMATIC : TOP VIEW



PRODUCT SPECIFICATION

DATE: 12/17/04'

COSMO ELECTRONICS CORPORATION	REED RELAY: D1A120000	NO. 50R01002 SHEET 2 OF 2	REV. 3

3.0 COIL RATINGS: (AT 20°C)

3.1	Coil resistance	1000	Ω ($\pm 10\%$)
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	m Ω (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}	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)	500	VDC (min)
4.11	Life expectancy (signal level)	10^8	
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