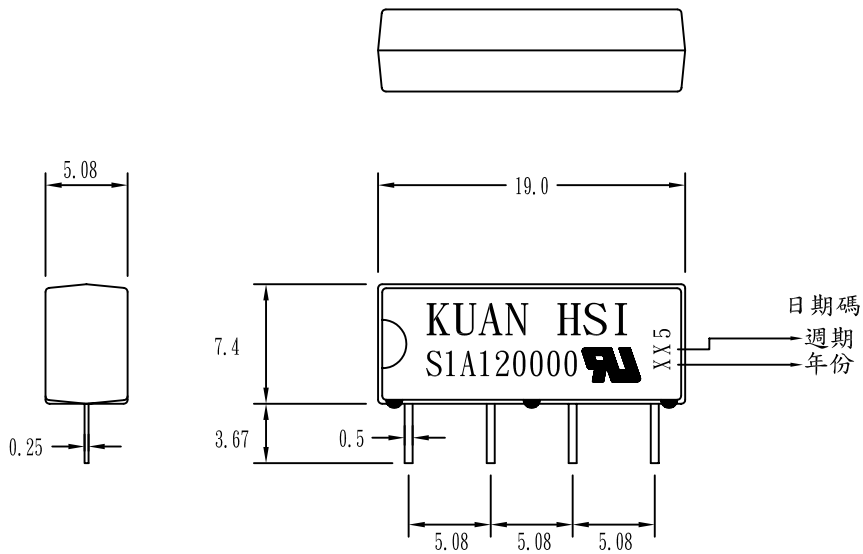


PRODUCT SPECIFICATION

DATE: 01/21/05'

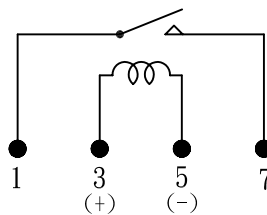
COSMO ELECTRONICS CORPORATION	REED RELAY: S1A120000	NO. 50R05002	REV. 5
		SHEET 1 OF 3	

1. OUTSIDE DIMENSION : UNIT (mm)



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

2. SCHEMATIC : TOP VIEW



PRODUCT SPECIFICATION

DATE: 01/21/05'

COSMO ELECTRONICS CORPORATION	REED RELAY:	NO. 50R05002	REV.
	S1A120000	SHEET 2 OF 3	5

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	(incl. bounce time)	0.5	ms (max)
4.3	Release time		0.2	ms (max)
4.4	Insulation resistance	(100 VDC open contact)	10 ¹¹	Ω (min)
4.5	Power		10	VA (max)
4.6	Switching voltage		200	VDC (max)
4.7	Switching current		0.5	A (max)
4.8	Carry current		1.0	A (max)
4.9	Breakdown voltage	(across open contact)	250	VDC (min)
		(between coil & contact)	1000	VDC (min)
4.10	Life expectancy	(signal level)	5*10 ⁷	
4.11	Operating temp		-40 to 85°C	
4.12	Storage temp		-40 to 125°C	
4.13	Resonant frequency		3.5	KHZ
4.14	Vibration (10-2000HZ)		20	g (max)
4.15	Minimum permissible load		100	mVDC 10uA

PRODUCT SPECIFICATION

DATE: 01/21/05'

COSMO ELECTRONICS CORPORATION	REED RELAY: S1A120000	NO. 50R05002 SHEET 3 OF 3	REV. 5

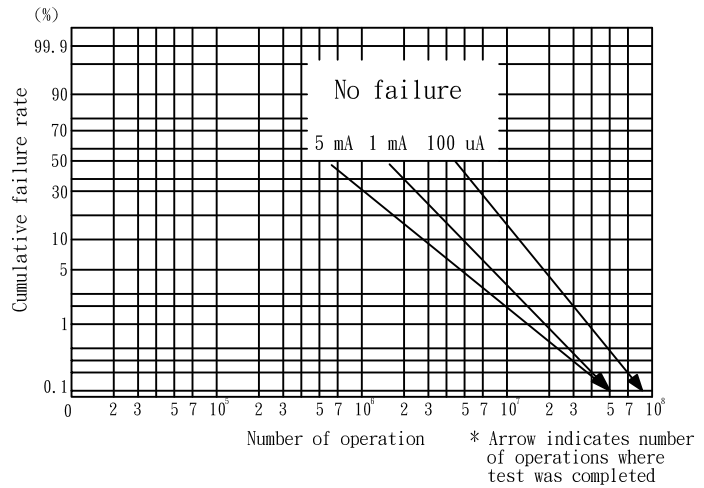
5.0 LIFE EXPECTANCY DATA:

Load condition

Voltage: 5 VDC

Cuuent : 100 uA, 1 mA, 5 mA

Load : Resistive load

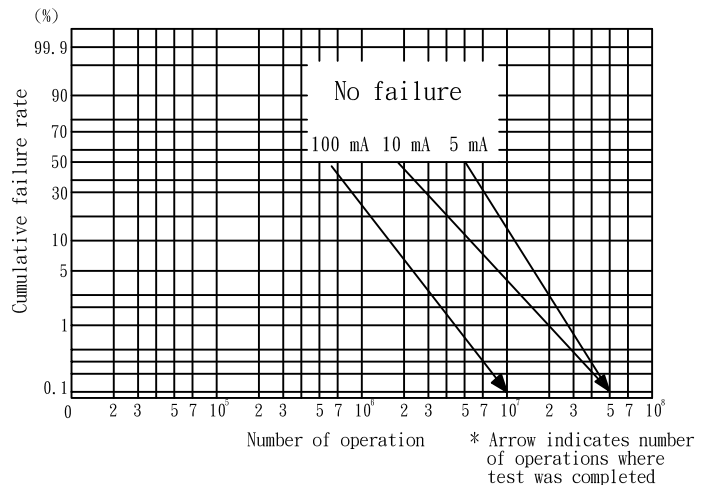


Load condition

Voltage: 12 VDC

Cuuent : 5 mA, 10 mA, 100 mA

Load : Resistive load



Load condition

Voltage: 24 VDC

Cuuent : 100 mA, 200 mA, 400 mA

Load : Resistive load

