

**TITLE**
**SPECIFICATIONS**

PAGE 1/4

- UL TV-5 rating relay
- 1 form A contact arrangement
- Immersion cleanable
- Sealed type



1. TYPE: CK RELAY (P/C Board type)
2. COIL

Nominal Voltage(VDC)	3	5	6	9	12	24	48	0.25W
Coil Resistance(Ω)	36	100	144	324	576	2304	9216	
Rated Current(mA)	83	50	42	28	21	10	5	
Max Operate Voltage(VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage(VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	
Coil Resistance(Ω)	17	46	67	150	270	1050	4250	0.54W
Rated Current(mA)	180	108	90	60	45	22.5	11.3	
Max Operate Voltage(VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage(VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	
Max Applicable Voltage	130% of nominal voltage at 70℃ 170% of nominal voltage of 23℃							

**3. CONTACTS**

- 3-1) Contact arrangement : 1 Form A
- 3-2) Contact material : AgSnO<sup>2</sup>
- 3-3) Contact resistance : Max. 100mΩ at 6VDC 1A
- 3-4) Load : Resistive load(COSΦ1)
- 3-5) Contact ratings : 10A 250VAC, 10A 30VDC  
TV-5 (5A@125VAC)
- 3-6) Max. switching voltage : 250VAC/110VDC
- 3-7) Max. switching current : 10A
- 3-8) Max. switching power : 2500VA/300W
- 3-9) Minimum load : 100mA 5VDC

**4. CHARACTERISTICS**



TITLE

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- 4-1) Operate time : Max. 15msec
- 4-2) Release time : Max. 8msec
- 4-3) Insulation resistance : Min. 100MΩ (at 500VDC)
- 4-4) Dielectric strength
  - ⊙ Between open contacts : AC 900 Volt / one minute
  - ⊙ Between coil and contacts : AC 4,000Volt / one minute
- 4-5) Vibration resistance : 10 to 55Hz, 1.5mm
- 4-6) Shock resistance
  - ⊙ Operating Extremes : 10G
  - ⊙ Damage Limits : 100G
- 4-7) Ambient temperature : -30 to + 70℃
- 4-8) Humidity : 20 to 85%
- 4-9) Life expectancy
  - ⊙ Mechanical : 10,000,000 operations
  - ⊙ Electrical : 100,000 operations (at 30 operations/minute)
- 4-10) Max. switching frequency
  - ⊙ Mechanical : 18,000 operations / hour
  - ⊙ Electrical : 1,800 operations / hour
- 4-11) Weight : Approx. 11g
- 4-12) Outline dimension (L x W x H) : 24.5 x 10.5 x 25
- 4-13) Safety standard : cUL(TV-5), TUV

5. ORDERING INFORMATION

EX.) CK 11 - H 12 S H

Model	Contact Configuration	Contact Rating	Coil Voltage	S: SEALED TYPE	Nil: 0.54W (STANDARD) H: 0.25W (HIGH SENSITIVE)
CK	11: 1 Form A	H : 10A	3, 5, 6, 9, 12, 24, 48 VDC		

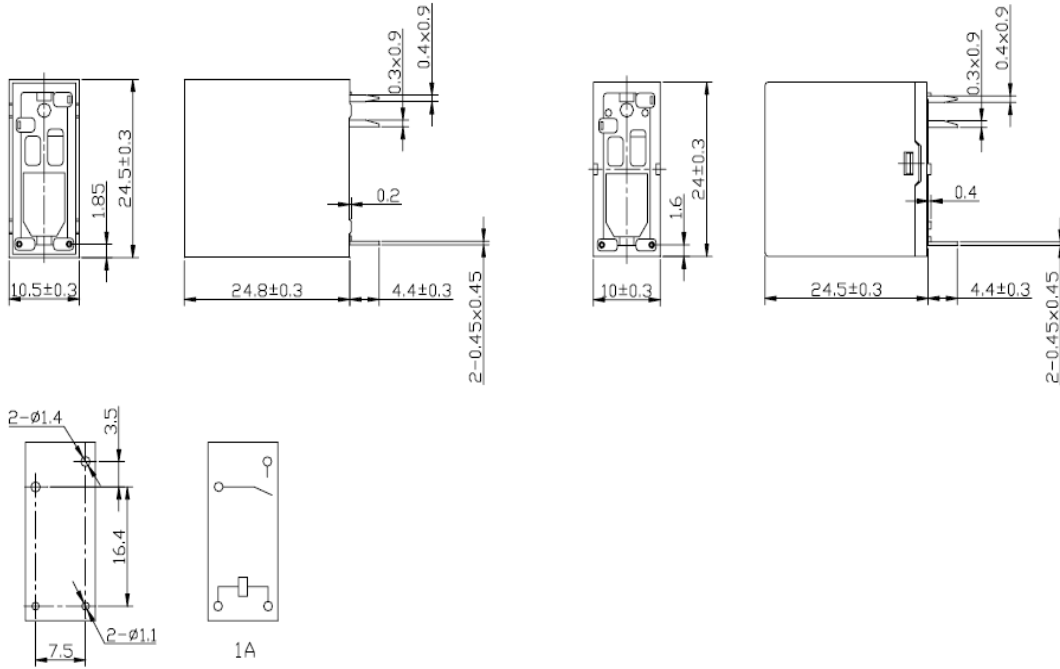
TO :	DATE :
TEXCELL NETCOM CO., LTD.	DRAWN BY:            CHECK BY:
DEVELOPMENT DEPT	APPROVED BY:



TITLE

DIMENSIONS

PAGE 3/4

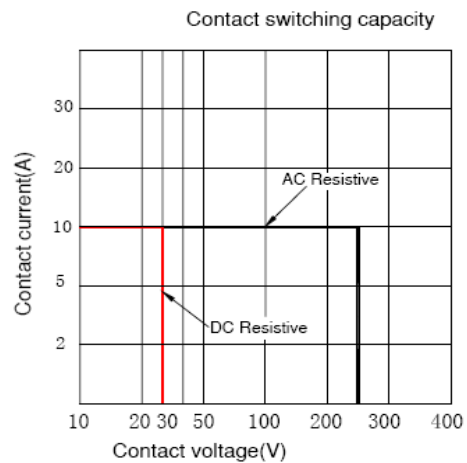
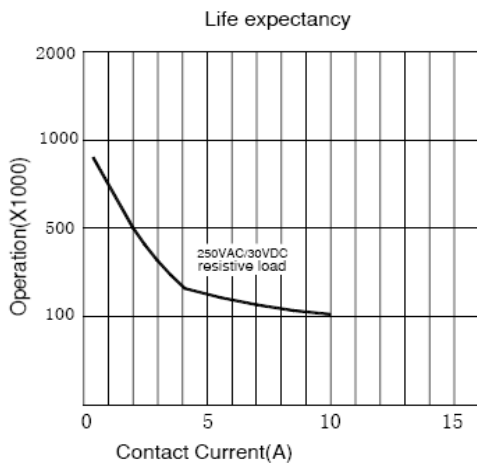
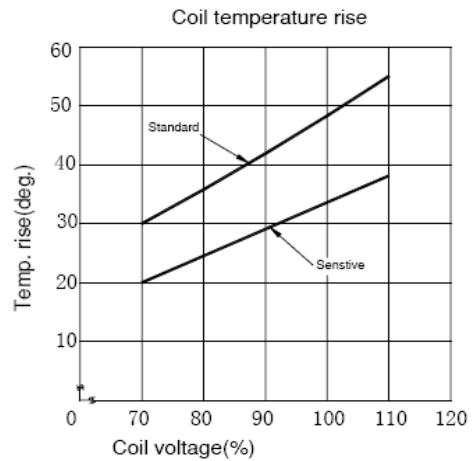
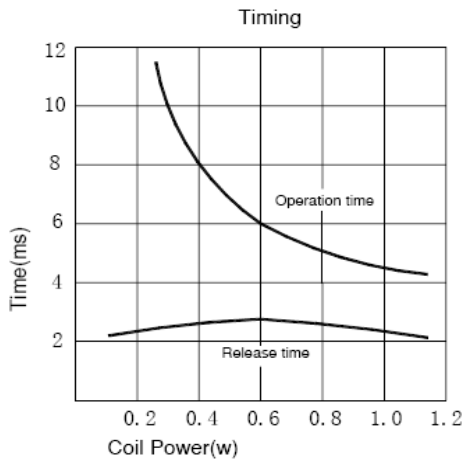




TITLE

DIMENSIONS

PAGE 4/4



**\*\* Disclaimer \*\***

This data sheet is for the customer's reference. All the specifications are subject to change without notice. We could not evaluate all the performance and all parameters for every possible application. Thus the user should be in right position to choose the suitable product for own application. If there is any query, please contact to Texcell Netcom Co., Ltd. for the technical service. However, it is the user's responsibility to determine which product should be used only.

TO :	DATE :
TEXCELL NETCOM CO., LTD.	DRAWN BY:            CHECK BY:
DEVELOPMENT DEPT	APPROVED BY: