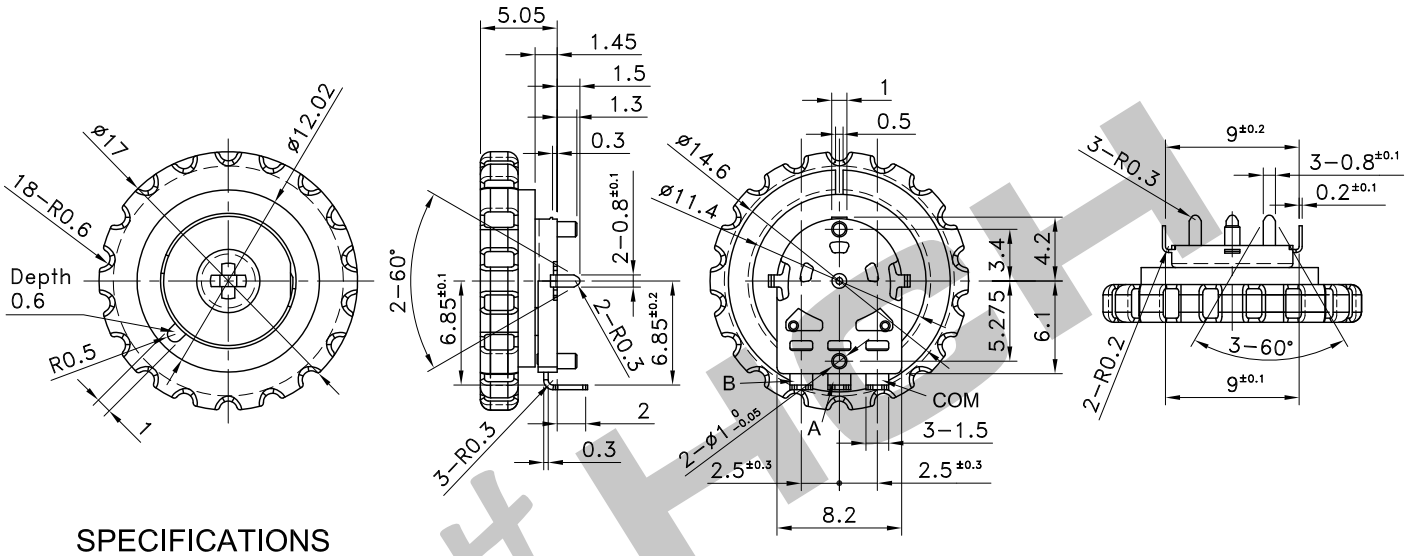


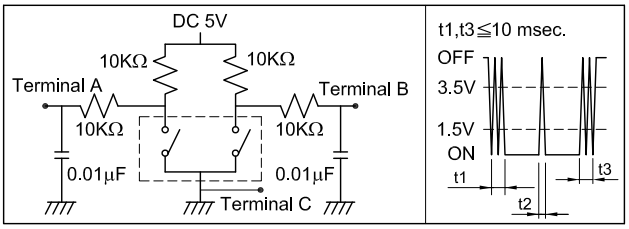
SPECIFICATIONS

• ELECTRICAL CHARACTERISTICS

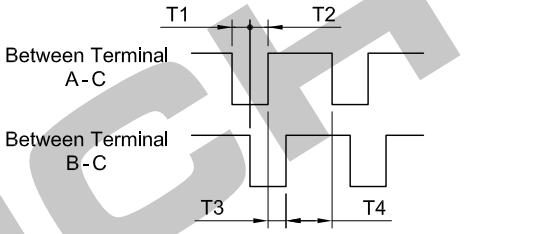
1. Rating : DC 5V 0.5mA (Terminals A and B)
   DC 5V 1mA (Terminal C)
2. Insulation Resistance : 10MΩ Min.at DC 50V
3. Dielectric Strength : AC 50V for 1 minute
4. Output Signal Format

Shaft Rotational Direction	Signal	Output
C.W	A (Terminal A-C)	OFF ON
	B (Terminal B-C)	OFF ON
C.C.W	A (Terminal A-C)	OFF ON
	B (Terminal B-C)	OFF ON

5. Resolution : 12 Pulses /360° for Each Phase
6. Chattering : Measurement Shall be Made Under the Condition as Follows.
   1) Shaft Rotational Speed :360° /sec
   2) Test Circuit :



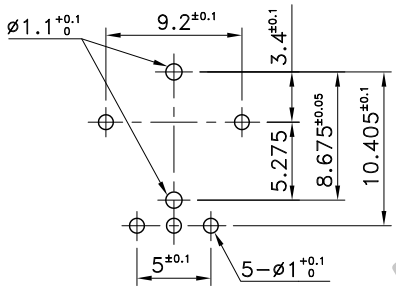
7. Phase Difference : The shaft shall be rotated at constant speed (for those not having detents).



T1,T2,T3,T4 ≧4 msec.

8. Operating Temperature Range : -10~+70°C

P.C.B TERMINAL POSITION



SOLDERING CONDITIONS

	Temperature (°C)	Time (Sec.)
Auto Soldering	255±5	5 +1 0
Manual Soldering	380±10	3 +1 0

• MECHANICAL CHARACTERISTICS

1. Rotational Angle : 360°(Endless)
2. Position Detents : 12 Detents (30±3° Step)
3. Detent Torque : 50~180 gf • cm
4. Life : 10,000 Cycles

REVISION:	DATE:	REVISION:	DATE:
UNIT:mm	THIRD ANGLE PROJECTION METHOD	TOL. UNLESS OTHERWISE STATED:±0.3	CODE NO.:HCH-1178
ISSUED: John 2006.12.19	CONFIRMED: Joey 2006.12.19	HCH® ISO9001 Certified ISO14001 Certified HORNG CHIH 鴻琪股份有限公司	PART NO. EVR09V-12

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