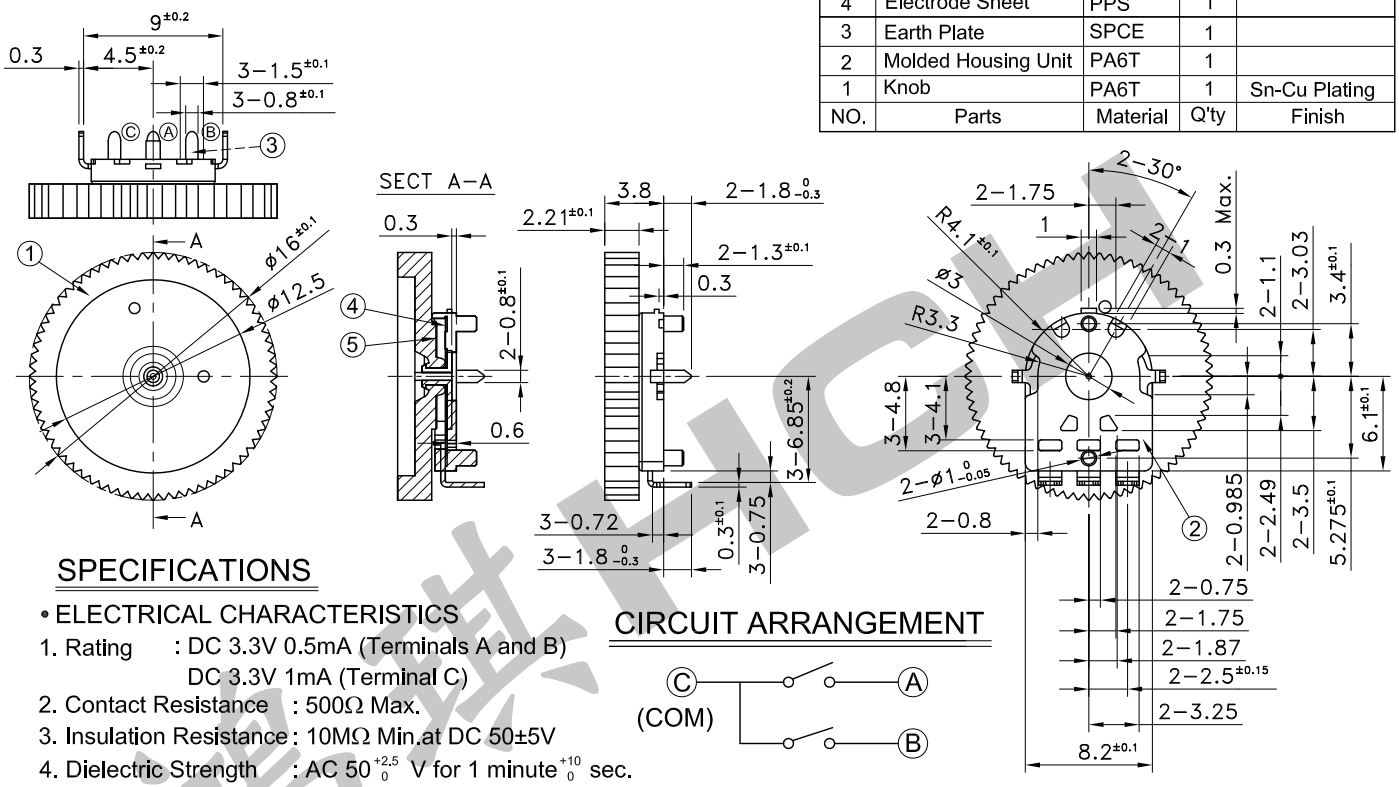
NO.	Parts	Material	Q'ty	Finish
6	Terminal	SPCE	3	
5	Wiper	C5210R	1	
4	Electrode Sheet	PPS	1	
3	Earth Plate	SPCE	1	
2	Molded Housing Unit	PA6T	1	
1	Knob	PA6T	1	Sn-Cu Plating



SPECIFICATIONS

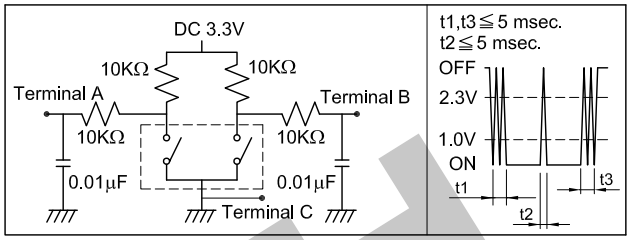
• ELECTRICAL CHARACTERISTICS

1. Rating : DC 3.3V 0.5mA (Terminals A and B)
   DC 3.3V 1mA (Terminal C)
2. Contact Resistance : 500Ω Max.
3. Insulation Resistance : 10MΩ Min.at DC 50±5V
4. Dielectric Strength : AC 50 $^{+2.5}_{0}$ V for 1 minute $^{+10}_{0}$ sec.
5. Output Signal Format

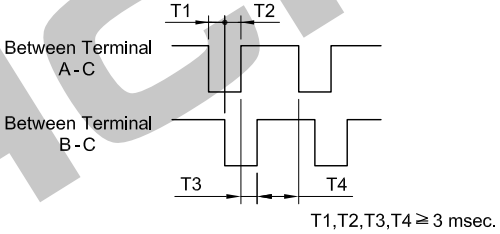
Shaft Rotational Direction	Signal	Output
C.W	A (Terminal A-C)	ON / OFF
	B (Terminal B-C)	ON / OFF
C.C.W	A (Terminal A-C)	ON / OFF
	B (Terminal B-C)	ON / OFF

CIRCUIT ARRANGEMENT

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



8. Phase Difference : Measurement shall be made under the condition which the shaft is rotated in 360°/sec (constant speed).



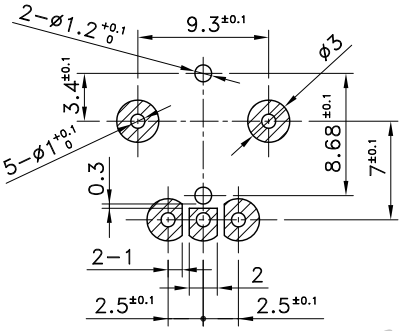
T1,T2,T3,T4 ≧ 3 msec.

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

• MECHANICAL CHARACTERISTICS

1. Rotational Angle : 360°(Endless)
2. Rotational Torque : 5~60 gf • cm
3. Knob Deflection : 0.4 mmp-p Max.
4. Rotational Life : 20,000 Cycles
5. Package : 550 Pcs/Reel

P.C.B TERMINAL POSITION



SOLDERING CONDITIONS

	Temperature (°C)	Time (Sec.)
Auto Soldering	245±3	3±0.5
Manual Soldering	380±10	3 $^{+1}_{0}$

REVISION:	DATE:	REVISION:	DATE:
UNIT:mm	THIRD ANGLE PROJECTION METHOD	TOL. UNLESS OTHERWISE STATED:±0.3	CODE NO.:HCH-1465
ISSUED: John 2009.02.20	CONFIRMED: Elvis 2009.02.20	HCH® ISO9001 Certified ISO14001 Certified HORNG CHIH 鴻琪股份有限公司	PART NO. EVR218-012

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