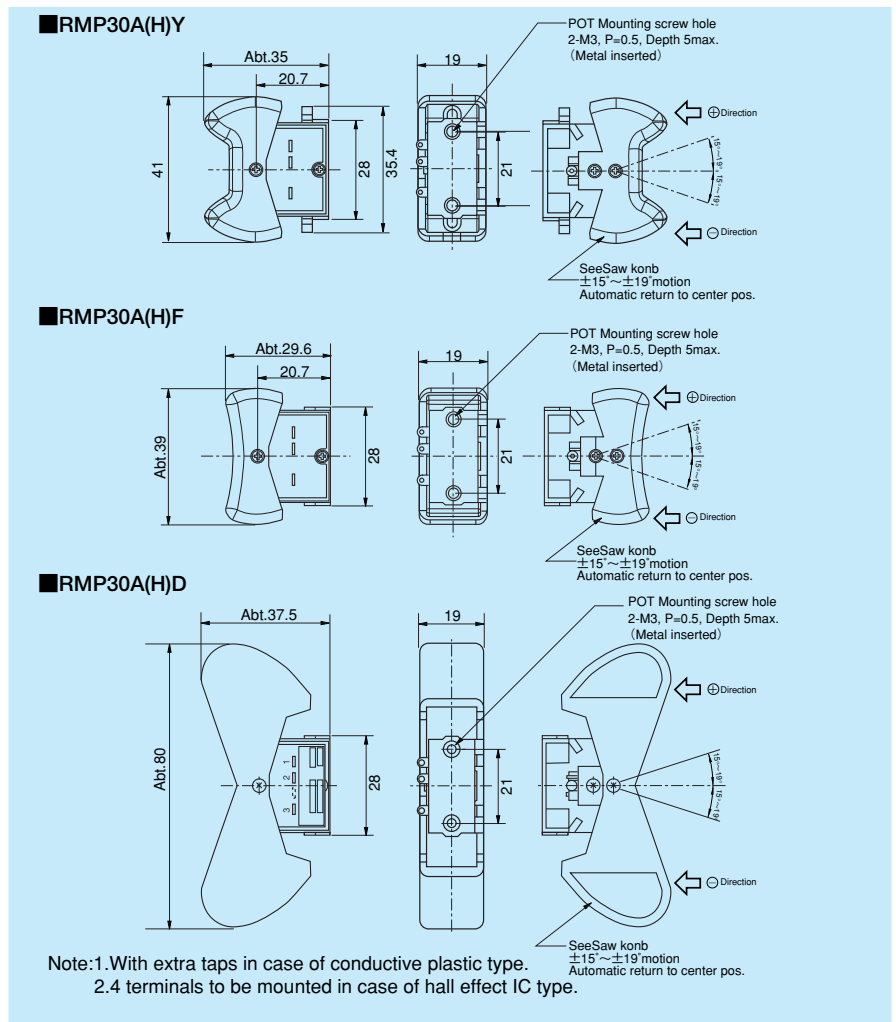


Conductive Plastic·Hall effect IC **MODEL RMP30A/H**

●Standard Dimensions



●General Specifications · Environmental Specifications (Conductive plastic type)

Standard Resistance Value : 10k (Ω)	Insulation Resistance : Over 1,000MΩ at 500V.D.C.
Special Practical Resistance Values : 1k, 2k, 5k, 20k (Ω)	Dielectric Strength : 1 minute at 500V.A.C.
Total Resistance Tolerance : ±15%	Operating Force : Approx. 24mN·m~30mN·m(D type knob:Approx. 48mN·m~ 60mN·m)
Independent Linearity Tolerance : ±3%	Mass : Approx. 20g
Output smoothness : Within 0.2% against input voltage	Operating Temperature Range : -20°C ~ +60°C
Contact Resistance Variation : Within 5% C.R.V.	Vibration (according to U.S.A. MIL specification) : 10~55Hz 98m/s ²
Power Rating : 0.1W	Shock (according to U.S.A. MIL specification) : 294m/s ²
Electrical Travel : 30° ±5°	Protection Grade (IP) : Standard IP 40, Special IP54
Operating Angle Range : ±15°~±19° from center position	Life Expectancy : Approx. 2,000,000 operations
Center Returning Accuracy : 50%±3%	

●General Specifications · Environmental Specifications (Hall effect IC type)

Current Consumption : Approx. 7mA (Dual output type:Approx. 14mA)	Operating Force : Approx. 24mN·m~Approx. 30mN·m(D type knob:Approx. 48mN·m~60mN·m)
Independent Linearity Tolerance : ±3%FS	Output Temperature Characteristic : Within ±2.5% Vout · FS
Applied Voltage : 5V.D.C. ±10%	Drift at Center Position : Within ±0.9% Vout · FS
Load Resistance : 10kΩ min.	Mass : Approx. 20g
Output Voltage range : Approx. 10%~90% Vin	Operating Temperature Range : -20°C ~ +60°C
Effective Electrical Angle : 30° ±5°	Vibration (according to U.S.A. MIL specification) : 10~55Hz 98m/s ²
Operating Angle Range : ±15°~±19° from center position	Shock (according to U.S.A. MIL specification) : 294m/s ²
Center Returning Accuracy : 50%±3% Vin	Protection Grade (IP) : IP65
Insulation Resistance : Over 100MΩ at 250V.D.C.	Life Expectancy : Approx. 5,000,000 operations
Dielectric Strength : 1 minute at 250V.A.C.	EMS durability : 100V/m
	ESD durability : ±8kV contact discharge/±15kV aerial discharge

●Special Specifications Available

- Conductive plastic type : Extra taps (Available up to 1 tap), Heavier operating force (not available for D type knob), Simple sealed housing, Special outer shapes (knob's shapes, etc.)
- Hall effect IC type : Special output, Heavier operating force (not available for D type knob)