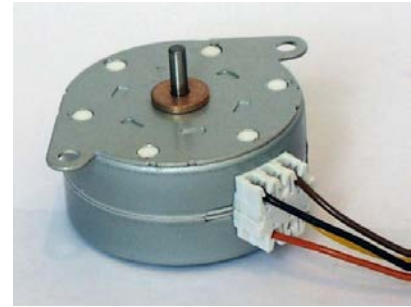


# ASTROSYN PM STEPPER MOTOR MODEL MY355

## Specification

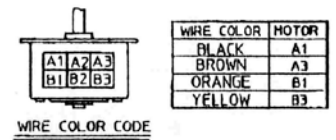
### Rating

- ❖ Step Angle 7.5° full step
- ❖ Number of Phases 2 (Bipolar)
- ❖ Rated Voltage 12V dc
- ❖ Rated Current 0.48A/phase
- ❖ Insulation Class E
- ❖ Ambient Temperature -10°C to 50°C
- ❖ Coil Temperature 115°C max
- ❖ Operating Humidity 20% to 90% RH (no condensation)
- ❖ Lifetime > 3,000h min



### Mechanical Characteristics

- ❖ Shaft Diameter 3mm
- ❖ Rotor Inertia 22 g-cm<sup>2</sup>
- ❖ Magnet Material MS50M
- ❖ Weight 125g



### Electrical Characteristics

- ❖ Winding Resistance 25Ω/phase ± 10%
- ❖ Winding Inductance 40mH/phase ± 20%
- ❖ Insulation Resistance > 100MΩ (at 500V dc between motor frame & lead wires)
- ❖ Dielectric Strength > 500V ac for 1 minute
- ❖ Holding Torque > 1100g-cm, with two phases excited at 0.5A/phase
- ❖ Detent Torque Nominal 97g-cm
- ❖ Pull Out Torque 400 g-cm min
- ❖ Pull In Torque 330 g-cm min
- ❖ Maximum Slew Speed 330pps min

