

Order code	Manufacturer code	Description
37-0507	n/a	2 PHASE BIPOLAR STEPPER MOTOR 12V (RC)

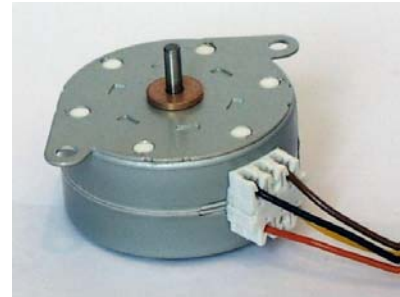
	Page 1 of 2
The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 20/02/2007

ASTROSYN PM STEPPER MOTOR MODEL B355

Specification

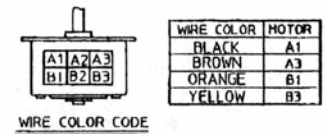
Rating

- ❖ 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-cm²
- ❖ 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

