Front view and mounting

Side view

Rear view

UL3265 AWG 22
L=300+10mm

Specification

Connection

Unipolar OR Bipolar

Serial Parallel

Polar-1 Winding

VOLTAGE (VDC) 3.0 4.27 2.18

AMPS/PHASE 6.7 4.74 9.47

RESISTANCE/PHASE (Ω)/25°C 0.45±15% 0.9±15% 0.23±15%

INDUCTANCE/PHASE (mH) @1kHz 2.2±20% 8.8±20% 2.2±20%

HOLDING TORQUE (Nm) [lb-in] 4.0 [35.4] 5.66 [60.09] 5.66 [60.09]

DETENT TORQUE (Nm) [lb-in] 0.12 [1.062]

STEP ANGLE (°) 1.8

STEP ACCURACY (NON-ACCUM) ±5%

ROTOR INERTIA (kg-m²) [lb-in²] 1.6×10⁻⁵ [0.615]

WEIGHT (Kg) [lb] 3.7 [8.159]

Temperature Rise: Max. 80°C (Motor Standstill; For 2 Phase Energized)

Ambient Temperature: -10°~50°C 14°F ~ 122°F

Insulation Resistance: 100 MΩ/tn (Under Normal Temperature and Humidity)

Electric Strength: 500VAC For 1 Min. (Between the Motor Coils and The Motor Housing)

Ambient Humidity: Max. 85% (No Condensation)

Type of Connection (Extern)

Unipolar Bipolar

Serial Parallel

Motor

Leads Winding

Wiring Diagram

Full Step 2 Phase-Ex.

When Facing Mounting End (X)

Step A A\ B B\ B C C

Scale Free ±0.5

Rev Description SH618L6708

Date 20.07.06

Signature J.W.

Date 20.07.06