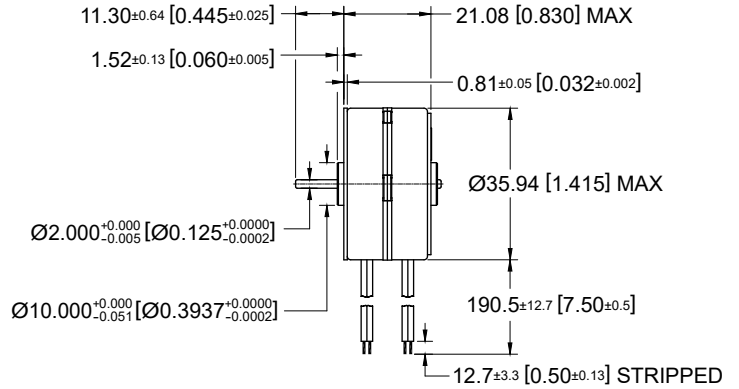
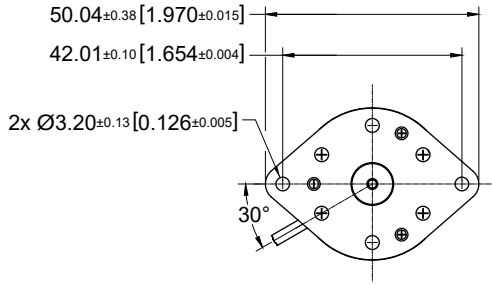


35L048D

Ø 35 mm • RoHS Compliant • 54 mNm



Dimensions in mm. [inches]

| Electrical Data | 35L048D•• | | | | Unit |
|---|-------------|---------------------------------|------------|------------|--|
| | 1U Unipolar | 2U Unipolar | 1B Bipolar | 2B Bipolar | |
| 1 Operating Voltage | 5 | 12 | 5 | 12 | VDC |
| 2 Resistance per Phase, ± 10% | 11.0 | 64.0 | 11.0 | 64.0 | Ohms |
| 3 Inductance per Phase, typ | 7.4 | 35.0 | 13.0 | 60.0 | mH |
| 4 Rated Current per Phase * | 0.45 | 0.19 | 0.45 | 0.19 | A |
| Coil Independent Parameters | | | | | |
| 5 Holding Torque, MIN * | 46 (6.5) | 46 (6.5) | 54 (7.6) | 54 (7.6) | mNm (oz-in) |
| 6 Detent Torque, Max | | 12.1 (1.8) | | | mNm (oz-in) |
| 7 Rotor Inertia | | 4 (0.021) | | | gcm ² (oz-in ²) |
| 8 Step Angle | | 7.5 | | | Degree |
| 9 Absolute accuracy 2 ph. On, Full step | | ± 0.5 | | | Degree |
| 10 Steps per Revolution | | 48.0 | | | |
| 11 Ambient Temp Range (operating) | | -20 to +70 (-4 to +158) | | | °C (°F) |
| 12 Maximum Coil Temperature | | 130 (266) | | | °C (°F) |
| 13 Bearing Type | | Sintered Bronze Sleeve | | | |
| 14 Insulation Resistance at 500 VDC | | 100.0 | | | Mohms |
| 15 Dielectric Withstanding Voltage | | 650 VRMS for 2 seconds | | | VAC |
| 16 Weight | | 88 (3.1) | | | g (oz) |
| 17 Leadwire | | AWG #26, UL1430 (105° C, 300 V) | | | |

Note: All motor data values at 20° C unless otherwise specified

* Energize at rated current, 2-Phase On

