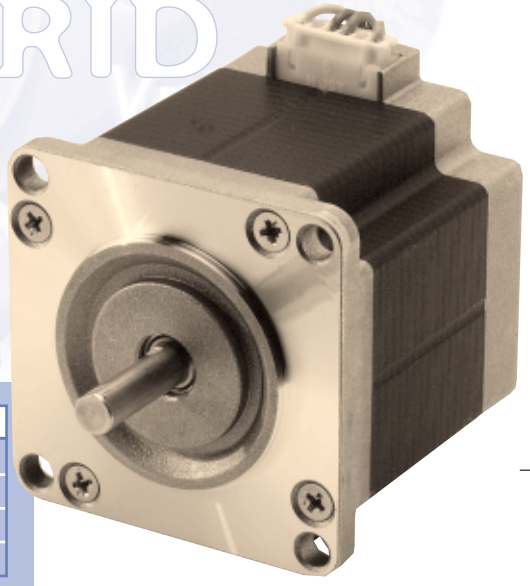
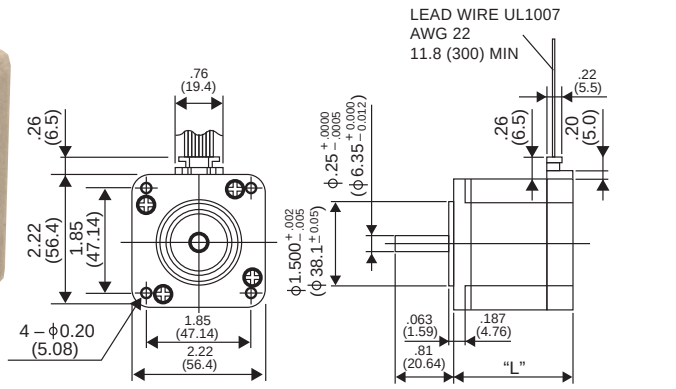
23KM-K 1.8° HYBRID

High Torque/ Microstep



Unit: inche (mm

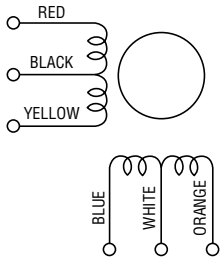


P/N	"L"
23KM-K2XX	1.65 (42)
23KM-K3XX	1.97 (50)
23KM-K0XX	2.13 (54)
23KM-K7XX	2.99 (76)

GENERAL SPECIFICATIONS

Step Angle ..... 1.8°
Step Angle Accuracy ..... +/-5%
Temperature Rise ..... 80° C Max.
Ambient Temperature Range ..... -20° to +50° C
Insulation Resistance ..... 100MΩ Min., 500 VDC
Dielectric Strength ..... 500 VAC for 1 min.
Radial Play ..... 0.02 mm Max. (450 g-load)
End Play ..... 0.08 mm Max. (450 g-load)
Switching Sequence ..... See page 31

WINDING DIAGRAM

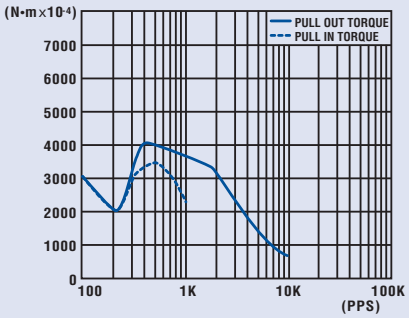


MODEL SPECIFICATIONS

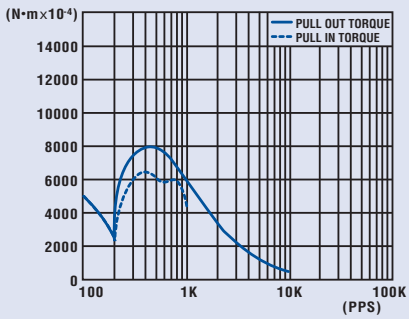
Model Number	Rated Voltage V	Rated Current/ Phase A	Winding Resistance/ Phase Ω	Holding Torque g-cm	Inductance mH	Rotor Inertia g-cm²	Detent Torque g-cm	Weight g
23KM-K250V	3.30	1.50	2.20	3,700	3.1	150.0	200	470
23KM-K379V	4.10	1.50	2.70	5,600	4.2	230.0	300	590
23KM-K032V	5.10	1.50	3.40	7,400	6.4	280.0	350	680
23KM-K716V	6.30	1.50	4.20	12,000	8.0	440.0	600	1050

TORQUE/SPEED CHARACTERISTICS

Model: 23KM-K250V
Driver: Unipolar Chopper Dual • Supply Voltage: 24.0 (Volt)
Drive Current: 1.50 (A/WDG) • Load Inertia: 161.0 (g-cm²)



Model: 23KM-K032V
Driver: Unipolar Chopper Dual • Supply Voltage: 24.0 (Volt)
Drive Current: 1.50 (A/WDG) • Load Inertia: 161.0 (g-cm²)



Model: 23KM-K716V
Driver: Unipolar Chopper Dual • Supply Voltage: 24.0 (Volt)
Drive Current: 1.50 (A/WDG) • Load Inertia: 161.0 (g-cm²)