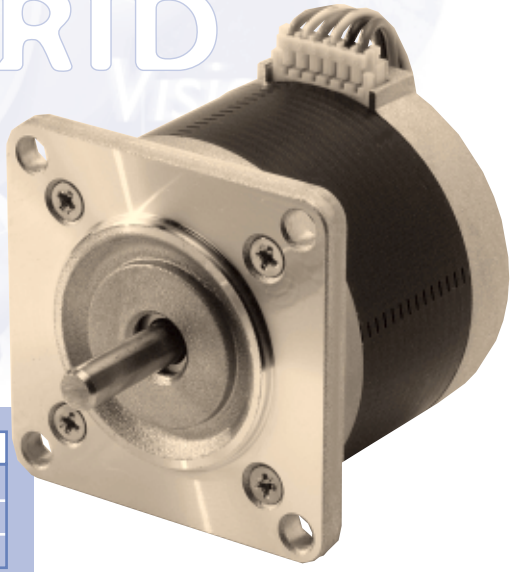
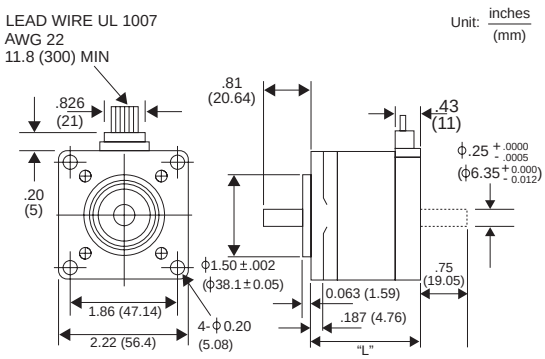
23LM-K 1.8° HYBRID

Microstep/ Low Noise Series



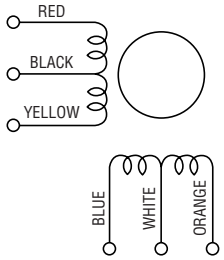


P/N	"L"
23LM-K2XX	1.61 (41.0)
23LM-K3XX	1.95 (49.5)
23LM-K0XX	2.22 (56.5)

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

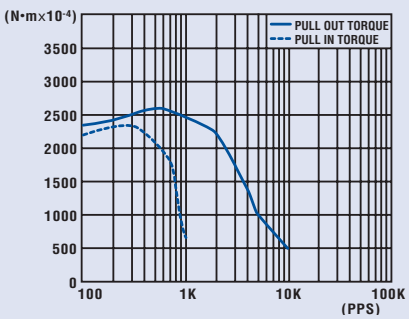


MODEL SPECIFICATIONS

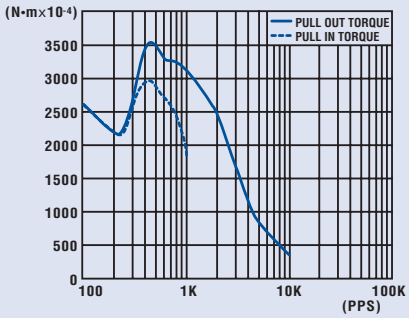
Model Number	Rated Voltage V	Rated Current/ Phase A	Winding Resistance/ Phase Ω	Holding Torque g-cm	Inductance mH	Rotor Inertia g-cm²	Detent Torque g-cm	Weight g
23LM-K250V	3.00	1.50	2.00	2,400	3.0	55.0	180	360
23LM-K213V	2.20	2.00	1.10	2,400	1.6	55.0	180	360
23LM-K343V	3.30	1.50	2.20	3,400	3.9	110.0	230	450
23LM-K355V	2.50	2.00	1.25	3,400	2.6	110.0	230	450
23LM-K047V	4.70	1.50	3.10	4,000	6.5	160.0	260	540
23LM-K055V	3.40	2.00	1.70	4,000	3.7	160.0	260	540

TORQUE/SPEED CHARACTERISTICS

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



Model: 23LM-K343V
Driver: Unipolar Chopper Dual • Supply Voltage: 24.0 (Volt)
Drive Current: 1.50 (A/WDG) •Load Inertia: 161.0 (g-cm²)



Model: 23LM-K047V
Driver: Unipolar Chopper Dual • Supply Voltage: 24.0 (Volt)
Drive Current: 1.50 (A/WDG) • Load Inertia: 161.0 (g-cm²)