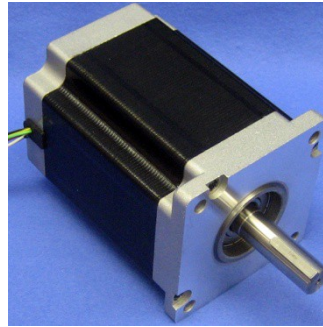




VRE110HS150-6504(NEMA 42) Stepper Motor



Specification:

Step Accuracy ----- $\pm 5\%$
 Resistance Accuracy ----- $\pm 10\%$
 Inductance Accuracy ----- $\pm 20\%$
 Temperature Rise ----- 80°C MAX.
 Ambient Temperature Range ----- $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$
 Storage Temperature Range ----- $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$
 Insulation Resistance ----- $100\text{M }) \text{ MIN. } 500\text{V DC}$
 Dielectric Strength ----- $1800\text{VAC for } 1\text{S } 5\text{mA}$
 Radial Play ----- $0.02\text{mm MAX. (450g Load)}$
 End Play ----- $0.08\text{mm MAX. (450g Load)}$
 Max. radial force ----- 220N
 Max. axial force ----- 60N

General specifications		Electrical specifications	
Step Angle ($^{\circ}$)	1.8	Rated Voltage (V)	5.2
Temperature Rise ($^{\circ}\text{C}$)	80 Max (rated current, 2 phase on)	Rated Current (A)	6.5
Ambient temperature ($^{\circ}\text{C}$)	-20 ~ +50	Resistance Per Phase (+10% Ω)	0.8
Number of Phase	2	Inductance Per Phase (+20% mH)	15.0
Insulation Resistance ($\text{M}\Omega$)	100 Min (500VDC)	Holding Torque (Kg.cm)	210
Insulation Class	Class B	Detent Torque (Kg.cm)	5.9
Max.radial force (N)	28 (20mm from the flange)	Rotor Inertia (g.cm^2)	10900
Max.axial force (N)	10	Weight (Kg)	8.4
No.Of Leads	4	Frame Size	110x110
Shaft/ total length	150 mm	Shaft dia	19.5mm