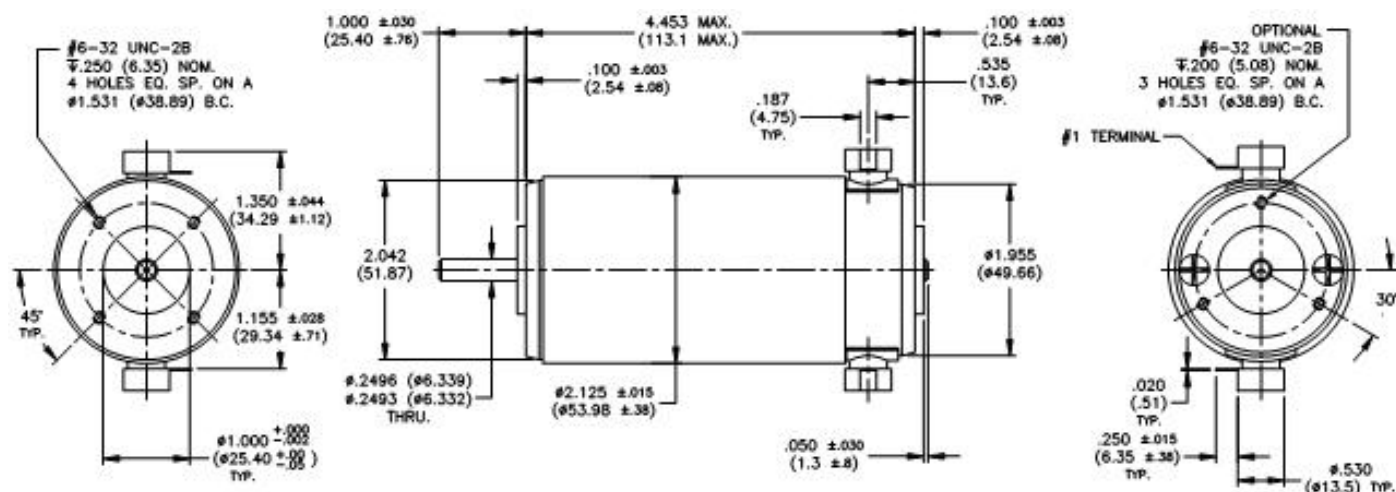


PITTMAN 14205 SERIES DC SERVO MOTOR

Electrical Specifications

Motor Data	Units	Winding Designation						
		12.0V	15.2V	19.1V	24.0V	30.3V	38.2V	48.0V
Supply Voltage	V	12.0	15.2	19.1	24.0	30.3	38.2	48.0
Continuous Torque	Nm	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Speed@Cont.Torque	rpm	2780	2890	2880	2880	2920	2920	2910
Current@Cont.Torque	A	8.47	6.79	5.35	4.24	3.39	2.68	2.11
Continuous Output Power	W	64	66	66	66	67	67	67
Torque Constant	Nm/A	0.0357	0.0463	0.0587	0.0741	0.0927	0.117	0.148
Terminal Resistance	Ω	0.30	0.45	0.71	1.11	1.73	2.75	4.36
Inductance	mH	0.45	0.71	1.13	1.81	2.83	4.54	7.24
No-Load Current	A	0.49	0.40	0.31	0.25	0.20	0.16	0.12
No-Load Speed	rpm	2990	3030	3010	2990	3020	3010	3000
Peak Current	A	40.0	33.8	26.9	21.6	17.5	13.9	11.0
Peak Torque	Nm	1.46	1.55	1.56	1.58	1.61	1.61	1.61
Electrical Time Constant	ms	1.5	1.6	1.6	1.6	1.6	1.7	1.7
Mechanical Time Constant	ms	6.8	6.5	6.4	6.3	6.3	6.2	6.2
Max.Winding Temperature	$^{\circ}\text{C}$	155	155	155	155	155	155	155
Rotor Inertia	Kg.m^2	3.1E-05	3.1E-05	3.1E-05	3.1E-05	3.1E-05	3.1E-05	3.1E-05
Motor Weight	g	1120	1120	1120	1120	1120	1120	1120

Mechanical Dimensions (unit:mm)



Performance Curves (24V Winding)

