

## PD86-3-1180-TMCL



Specifications	Units	QSH8618-96-55-700
Wiring		
Rated Voltage	V	2.56
Rated Phase Current (nominal)	A	5.5
Phase Resistance at 20°C	Ω	0.45
Phase Inductance (typ.)	mH	4.5
Holding Torque (typ.)	Nm	7.0
Detent Torque	Nm	
Rotor Inertia	gcm <sup>2</sup>	2700
Weight (Mass)	Kg	2.8
Insulation Class		B
Insulation Resistance	Ω	100M
Dialectic Strength (for one minute)	VAC	500
Connection Wires	N°	4
Max applicable Voltage	V	140
Step Angle	°	1.8
Step angle Accuracy	%	5
Flange Size (max.)	mm	85.85
Motor Length (max.)	mm	96
Axis Diameter	mm	12.7
Axis Length (visible part, typ.)	mm	31.75
Axis D-cut (1.1mm depth)	mm	25.0
Shaft Radial Play (450g load)	mm	0.02
Shaft Axial Play (450g load)	mm	0.08
Maximum Radial Force (20 mm from front flange)	N	220
Maximum Axial Force	N	60
Ambient Temperature	°C	-20... +50
Temp Rise (rated current, 2 phase on)	°C	max. 8

HIGH TORQUE STEPPER MOTOR  
& MOTION CONTROLLER/DRIVER