

Stepper Motor

1.8 Degree Hybrid Stepper Motor
PN 16225

COBHAM

2016 Data Sheet

The most important thing we build is trust

Features:

- Hybrid stepper motor
- Space rated bearings
- Dry or wet lubrication available
- Output Shaft

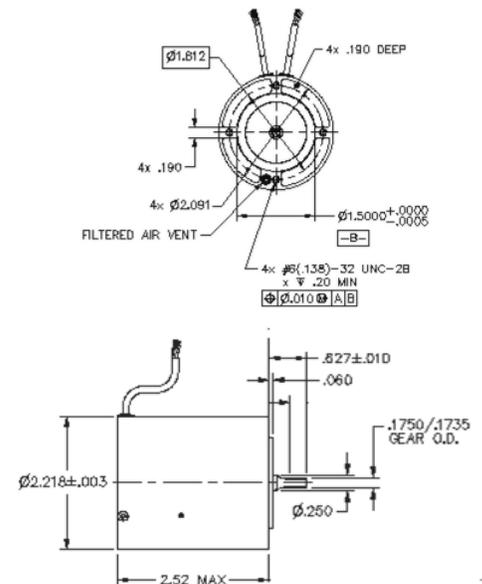
Description:

A 1.8 degree Hybrid stepper motor for high reliability applications. Typically used on spacecraft and aerospace platforms.



Specifications

Specification	Value	Units	Basis
Step Angle	1.8	degrees	Nominal
Step Rate	780	pps	Maximum
Voltage	36	VDC	Maximum
Power	8	watts	Nominal
Km	22	in-oz \sqrt watts	Nominal
Running Torque	36	in-oz	22.5 volts @ 8 pps
Holding Torque Kt	208	in-oz/amp	Nominal
Holding Torque	60	in-oz	@ 22.5 volts
Unpowered Torque	10	in-oz	Nominal
Phase Resistance	62	ohms	Nominal
Phase Inductance	79	mH	Nominal
Number of Phases/Poles	2/50	phase/poles	By Design
Redundant Windings	Yes	windings	By Design
Weight	1.6	pounds	Nominal



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