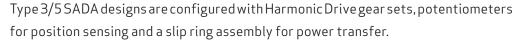
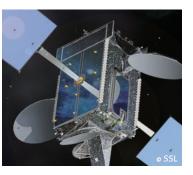


TYPE 3/5 SOLAR ARRAY DRIVE ASSEMBLY (SADA)



The single axis Type 3/5 Solar Array Drive Assembly (SADA) is based on the Type 3 Rotary Incremental Actuator with a Type 5 sized Harmonic Drive gear transmission and output duplex pair. This standard SADA has varied over many applications to meet mission requirements. Generally, the items that tend to vary are interface parameters and power transfer requirements. All of the represented









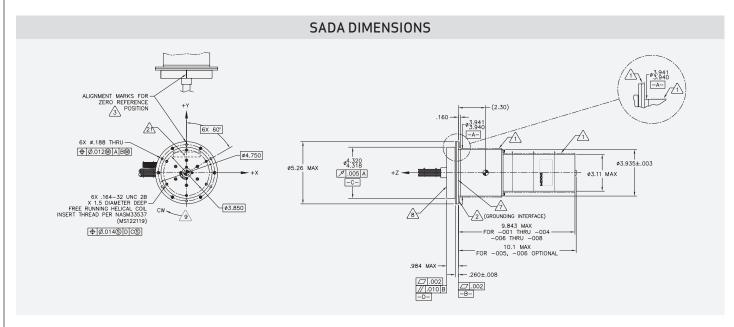


TYPE 3/5 SOLAR ARRAY DRIVE ASSEMBLY (SADA)

SPECIFICATIONS	
Description	Value
Motor Winding Resistance	72 Ohms phase-to-phase
Potentiometer Resistance	5000 Ohms +/-10%
Output Step Size	0.0075°
Output Torque	>400 lb-in
Unpowered Holding Torque	>200 lb-in
Powered Holding Torque	>500 lb-in
Operating Temperature Range	-30°C to +60°C
Mass	<11 lbs
Slip Ring Complement	26 Power @6A, plus 10 Signal @1A

Slip Ring Contact Resistance

Power	<60 m0hms
Signal	<160 m0hms



Solar array drives are a long-established product at Moog. Moog has experience with solar array drives, for both Earth orbit and planetary missions, stretching back to 1980. The solar power application is one of the most mature for Moog actuators and biaxial gimbals. Solar array drives have traditionally been very mission-specific in their configuration. As with all Moog mechanisms, a variety of design options are available. Custom power transfer requirements are easily accommodated upon request. The design represented on this data sheet is qualified and provides an option that has cost and schedule benefits. The Type 3/5 SADA easily interfaces with the Moog 2 or 4 channel Electronic Control Unit for a complete system solution. Contact Moog Sales & Marketing for assistance with your application.



 $21339\,Nordhoff\,Street,\,Chatsworth,\,CA\,91311$ Sandra Browne - sbrowne@moog.com (International) Scott Reynolds - sreynolds@moog.com (USA & Canada) +1.818.734.6700 • www.moog.com







