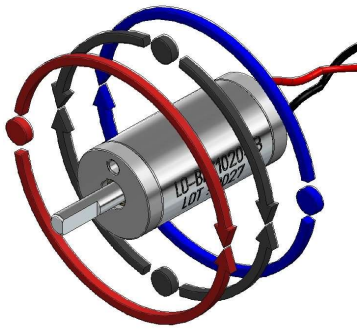
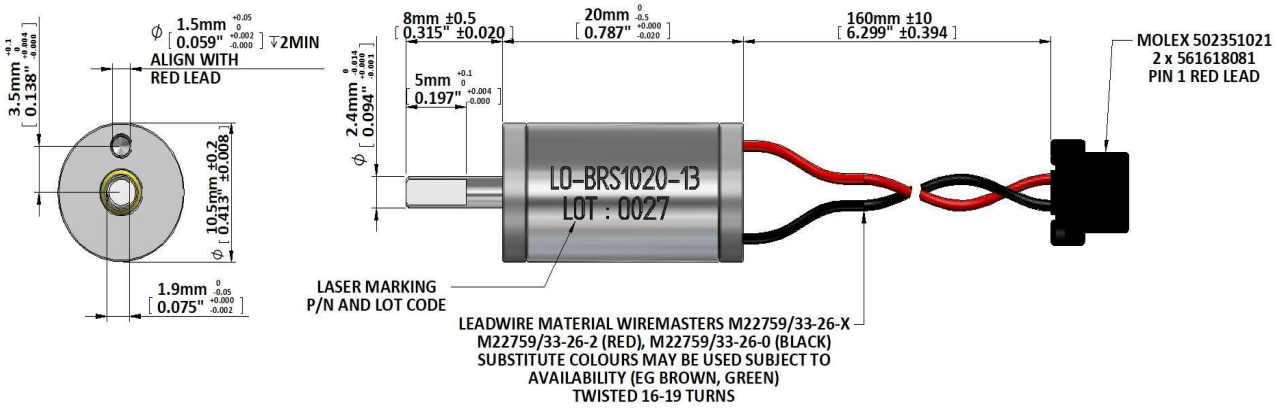
GEEPLUS LO-BRS1020-13 (LOW-OUTGASSING)

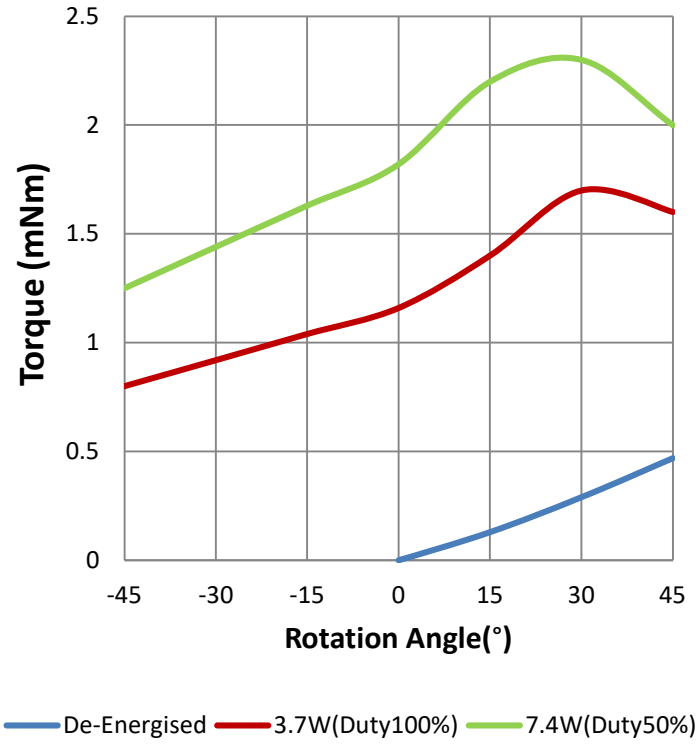
Device drawn with shaft aligned to mid position
Nominal 13Ω
Rotor Inertia 0.017 gcm²
Life Expectancy >10M cycles
Optimal roation +/-30°, Mass 8 grammes
Insulation Resistance >100MΩ, 500VDC Megger
Dielectric Strength 500vAC, 50/60Hz, 1 minute





BISTABLE ROTARY SOLENOID BASED ON BRS1020-13. PEEK BEARINGS AND MODIFIED INSULATION MATERIALS FOR LOW OUT-GASSING ARROWS INDICATE THE DIRECTION OF ROTATION WITH DIFFERENT EXCITATION CONDITION. SOLID DOT REPRESENTS AN UNSTABLE (ZERO TORQUE) EQUILIBRIUM POINT. PART IS DRAWN IN STABLE POSITION WITH POSITIVE EXCITATION APPLIED TO PIN 1 (TORQUE IS DEVELOPED IN THE SENSE INDICATED BY RED ARROWS)
WITH NEGATIVE EXCITATION APPLIED TO PIN 1 TORQUE IS DEVELOPED IN THE SENSE INDICATED BY BLUE ARROWS WITH NO EXCITATION TORQUE IS DEVELOPED IN THE SENSE INDICATED BY BLACK ARROWS

Torque (mNm) vs Angle



Response (ms) vs Angle (Load Inertia 0.45gcm²)