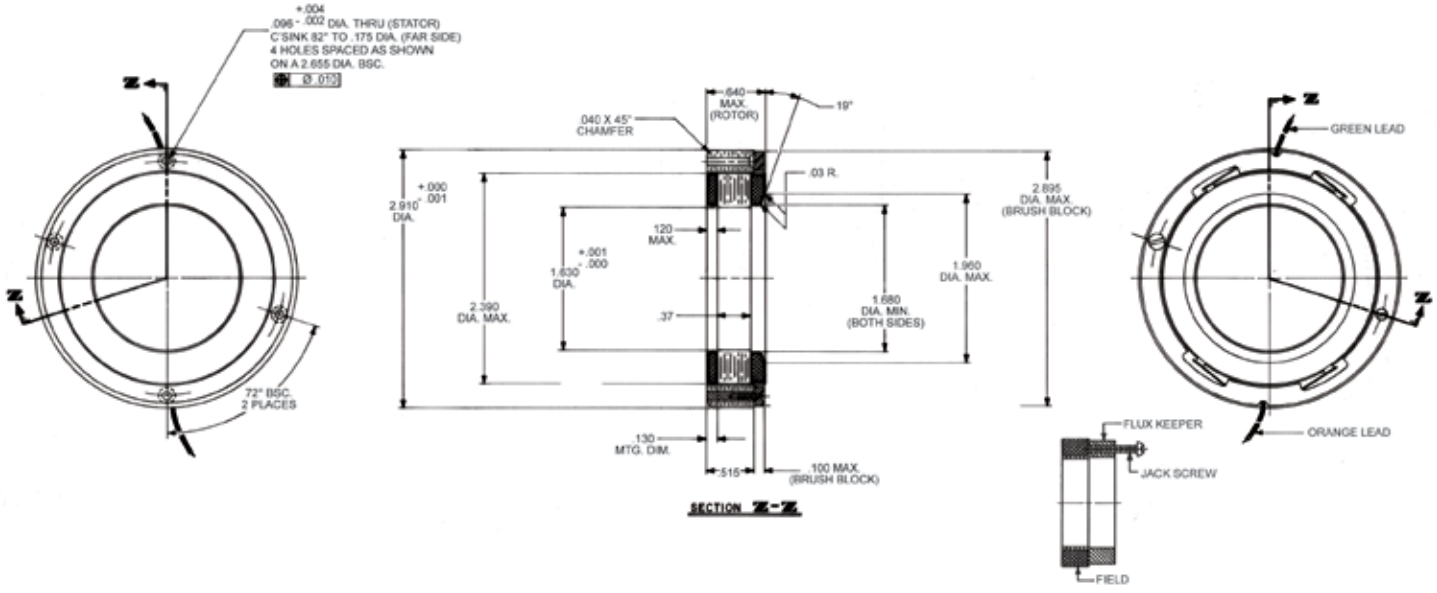
## D-2910-B-1ENS SPECIFICATIONS @ 25°C

| Size Constants | Value | Units |
|---|---|---|
| Peak Torque, $T_P$ | 165 | oz-in |
| Motor Constant, $K_M$ | 10.2 | oz-in/√W |
| Number of Poles | 10 | |
| Weight | 9.5 | oz (nom) |
| Motor Inertia, $J_M$ | 1.25E-02 | oz-in-s$^2$ |
| Friction Torque, $T_F$ | 3 | oz-in |
| Electrical Time Constant, $\tau_E$ | 0.319 | ms |
| Mechanical Time Constant, $\tau_M$ | 16.84 | ms |
| Temperature Rise, Housed TPR' | 7.5 | ° C/W |
| Ripple Torque, $T_R$ | 7 | max. avg. to peak (%) |
| **Winding Constants** | **Value** | **Units** |
| Torque Sensitivity, $K_T$ | 16.5 | oz-in/amp |
| Back EMF, $K_E$ | 0.117 | V per rad/s |
| Terminal Resistance, $R_M$ | 2.6 | ohms (nom) |
| Terminal Inductance, $L_M$ | 0.83 | mH (nom) |
| Voltage, Stalled at Peak Torque, $V_P$ | 26 | volts |
| Amps at Peak Torque, $I_P$ | 10 | amps |

### *D-2910-B-1ENS Typical Outline Drawing*




*Dimensions are in inches*