--- TYPICAL DATA ---

**FREQUENCY:**
- DC-4.0 GHz
- 4.0-8.0 GHz
- 8.0-12.4 GHz

**VSWR:**
- 1.05:1
- 1.10:1
- 1.25:1

**INSERTION LOSS:**
- .10 dB
- .20 dB
- .30 dB

**PHASE WOW:**
- .05°
- .1°
- .2°

--- DESIGN SPECIFICATIONS ---

**FREQUENCY:**
- DC-12.4 GHz

**VSWR (MAX):**
- 1.35:1

**VSWR WOW (MAX):**
- .3

**INSERTION LOSS (MAX):**
- .4 dB

**WOW (MAX):**
- .05 dB

**POWER, PEAK:**
- 10 kW

**POWER, AVERAGE:**
- 1 kW @ 1 GHz

**PHASE WOW (MAX):**
- .2°

**TORQUE (MAX):**
- 8 oz-in

**ROTATIONAL SPEED:**
- TO 1000 RPM

**LIFE:**
- 25,000 HRS @ 50 RPM

**MATERIAL:**
- STAINLESS STEEL

**FINISH:**
- PASSIVATE

**WEIGHT:**
- 4.5 oz. WITH MOUNTING FLANGE
- 3.5 oz. WITHOUT MOUNTING FLANGE

--- TOLERANCES ---

<table>
<thead>
<tr>
<th>Fraction</th>
<th>Decimal</th>
<th>Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/64</td>
<td>0.0000</td>
<td>±0.03</td>
</tr>
<tr>
<td>1/2</td>
<td>0.0084</td>
<td>±0.010</td>
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</tbody>
</table>

--- TYPICAL DATA ---

**EQ. SP.**
- .93

**2X TNC**
- .76

**STATIONARY**
- .120

**ROTATING**
- .875

**STATIONARY**
- .93

**ROTATING**
- 2.60

DIAMOND ANTENNA & MICROWAVE CORP
LITTLETON, MA 01460

DIMENSIONS ARE IN INCHES.
REMOVE ALL BURRS AND SHARP EDGES.
FRACTIONS
DECIMALS
ANGLES
1/64          2 PLACES
.03
.010
.03
1/2          3 PLACES
.010
.03

--- TOLERANCES PER ASME Y14.5M ---

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