**Specifications - Rotary Joint:**

WR-187 Waveguide Channel

- Frequency (GHz): 5.6-5.85
- VSWR (Max.): 1.15:1
- VSWR Wow (Max.): 0.15
- Insertion Loss (dB) (Max.): ±0.05
- Insertion Loss Wow (dB Max): ±0.05
- Peak Power (Wmax): 400 W
- Average Power (Vavg): 2.000 V

(*) @ 7.3 psig min. Pressure and max. output mismatch of 1.5:1

**Specifications - Mechanical/Environmental:**

- Pressurization: * 7.3 psig (0.05 Mpa) [Minimum Required]
- Leak Rate: 5 cc/minute Max.
- Torque: 22 in-lb (0.25 NM)
- Rotation Rate: 12 RPM (Max)
- Weight: 4.2 lbs
- Temperature (Oper): -40° C to +70° C
- Temperature (Storage): -55° C to +85° C
- Life: 30,000,000 revolutions
- Basic Material: Aluminum Alloy
- Finish: TBD

**Label:**

- Apply Diamond Std. Label as shown
- Label is to include the following as a minimum:
  - P/N: 51-546-0
  - S/N: __________
  - Date Code: __________

**Rohs Compliant**

**Notes:**

1. P1 & P2 Connectors to be provided and mounted by customer.
2. All stator cable leads to be marked with appropriate ID numbers.

**32 Channel Slip Ring**

- Channels 1-11: 85V/3A pulsed DC-signals
- Channels 12-20: 15V/100mA
- Channels 21-32: 85V/3A DC/AC