THIRD ANGLE PROJECTION

MECHANICAL & ENVIRONMENTAL

- **Rotational Speed, RPM:** 60 Max, 30 Nominal
- **Temperature, Operating:** -40°C to +71°C
- **Temperature, Non-Operating:** -55°C to +85°C
- **Torque, Max:** 8 in-lb (9.2 N.m)
- **Weight, Approx:** 5 oz (14 kg)
- **Life, Min:** 5 x 10⁶ Revs

ELECTRICAL

- **Frequency, GHz:**
  - Channel 1: DC-4.5
  - Channel 2: DC-4.5
- **VSWR, Max:**
  - Channel 1: 1.5:1
  - Channel 2: 1.5:1
- **VSWR WOW, Max:**
  - Channel 1: 0.1
  - Channel 2: 0.5
- **Insertion Loss, dB Max:**
  - Channel 1: 0.3
  - Channel 2: 0.3
- **Insertion Loss WOW, dB Max:**
  - Channel 1: 0.15
  - Channel 2: 0.15
- **Power, Peak, kW Max:**
  - Channel 1: 1
  - Channel 2: 1
- **Power, Average, W Max:**
  - Channel 1: 100 @ DC-2 GHz
  - Channel 2: 60 @ 2-4.5 GHz
  - DC Carrying Capacity*: 0.5 A, 48 VDC @ 100 W RF 0.5 A, 48 VDC @ 10 W RF 2 A, 48 VDC @ 5 W RF 5.4**, 48 VDC @ 5 W RF

**NOTES:**

1. **Material:** Primarily Aluminum Alloy.
2. **Finish:** Chemical Conversion Coater MIL-DTL-5541, ROHS Compliant.
3. **Marking:** Diamond Standard Label.
4. **Dimensions in Brackets [ ] Are in mm.

DESIGN SPECIFICATIONS

- **Channel 1 Connector:** SMA Female
- **Roto:**
  - 4X CONNECTOR, SMA FEMALE

**DESIGN SPECIFICATIONS**

- **DIAMOND ANTENNA & MICROWAVE CORP**
- **CAGE CODE:** B01882
- **DRAWING NUMBER:** CAT14-2241-0
- **DUAL CHANNEL ROTARY JOINT**
- **Scale:** 1:1
- **Weight (Est.):**