**Design Specifications**

**Electronic Channel 1**
- Frequency (Max): 13.75 - 14.5 GHz
- VSWR (Max): 1.15 (13.75-14.0 GHz) 1.25 (14.0-14.5 GHz)
- VSWR Wow (Max): 0.015
- Insertion Loss (Max): 0.05 dB
- Power, Peak: 10 kW
- Power, Avg: 1 kW
- Isolation: 50 dB
- Connectors: SMA

**Mechanical & Environmental**
- Rotational Speed: 60 RPM
- Temperature, Operating: -55°C to +55°C
- Humidity (Relative): 95%
- IP Protection Level: IP60 per EN 60529
- Weight: 0.88 lbs (0.4 kg) Max
- Material: Primarily Aluminum Alloy
- Finish: Chromate Conversion Coat per MIL-DTL-5541, Type II, Class B
- Channels to be marked per MIL-STD-130 with Black Ink
- Label: Diamond Std.

**Electrical Channel 2**
- Frequency (Max): DC - 4.0 GHz
- VSWR (Max): 1.15 (13.75-14.0 GHz) 1.25 (14.0-14.5 GHz)
- VSWR Wow (Max): 0.015
- Insertion Loss (Max): 0.05 dB
- Power, Peak: 10 kW
- Power, Avg: 1 kW
- Isolation: 50 dB
- Connectors: SMA

**Mechanical & Environmental**
- Temperature, Operating: -55°C to +55°C
- Humidity (Non-Condensing): 95%
- Weight: 0.88 lbs (0.4 kg) Max
- Material: Primarily Aluminum Alloy
- Finish: Chromate Conversion Coat per MIL-DTL-5541, Type II, Class B
- Channels to be marked per MIL-STD-130 with Black Ink
- Label: Diamond Std.

**ROHS Compliant**

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**Design Details**

- Channels CH1 and CH2
- Label: 106 Max
- Dimensions in Inches
- Tolerances: .005 Maximum, unless otherwise specified, Surf Finish 63
- Rotational Speed: 60 RPM
- Temperature: Operating -55°C to +55°C
- Humidity: 95%
- Weight: 0.88 lbs
- Finish: Chromate Conversion Coat per MIL-DTL-5541, Type II, Class B
- Channels: CH1 and CH2
- Label: Diamond Std.