SXC083-Twin Single-Band 850MHz Tower Mounted Amplifier

Features:
- Single Band Operation, 850MHz
- Provides 12dB Gain Across The Band
- Excellent Noise Figure, 1.1dB Typical
- Low Downlink Insertion Loss, 0.25dB Typical
- High Output Intercept Point, 24dBm
- Bypass Path for Failsafe Operation and Diagnostics
- AISG 2.0 Compliant Control Interface
- IP67 Rated Outdoor Housing

Amplifier Specifications

Uplink (RX) Specifications
- Frequency Band: 824 to 849MHz
- Gain: 12dB +/-1dB
- Noise Figure: 1.1dB (typical)
- OIP3: > 24dBm
- Return Loss: > 18dB (16dB in bypass mode)
- Insertion Loss in Bypass Mode: < 3.5dB
- Power Handling: 150W Average

Downlink (TX) Specifications
- Frequency Band: 869 to 894MHz
- Insertion Loss: < 0.3dB (0.25dB typical)
- Return Loss: > 18 dB
- IMD3 In Rx Band: > 160dBc (2 x 43dBm tones)
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**DC / AISG Specifications**

- **DC Power Supply**: 10 to 30VDC
- **Power Consumption**: < 1.5W (RET power not included)
- **RET Current**: < 2A
- **AISG Compatibility**: AISG V2.0

**Mechanical**

- **RF Connectors**: 7/16 DIN Female Long Neck
- **RET Connectors**: 8-pin Circular female IEC-60130-9
- **GND Connection**: M8 stud
- **Weight inc bracket**: 6 kg
- **Volume**: 4.5 Litre
- **Colour**: Grey
- **Mounting arrangements**: Wall or Pole

**Environmental**

- **Operating Temp (°C)**: -40 to +65
- **Environmental Operation Conditions**: ETSI 300 019 1-4
- **Environmental Storage Conditions**: ETSI 300 019 1-1
- **Ingress Protection**: IP67
- **Lighting Surge Protection**: ±10KA, 8/20 us
- **EMC Protection**: EN 301 489-8 Compliant

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