

SWCP 2x5514

698 - 896 MHz Dual (2x) CP log-periodic antenna

Features

- ❑ **Transmit Diversity Gain**
- ❑ **Can be configured to combine space & polarization diversity**
- ❑ **Outstanding performance over the entire band (698 - 896 MHz)**
- ❑ **Excellent Axial Ratio**
- ❑ **Optimized for 4G & 3G systems**
- ❑ **Low intermodulation**
- ❑ **Improved Side-to-side rejection**
- ❑ **Fading reduction**
- ❑ **Excellent isolation between ports**



Electrical specifications

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|------------------------------------|---|
| Frequency range: | 698-896 MHz |
| Impedance: | 50 ohm |
| Connector type: | 7/16 Din |
| Return loss: | 18 dB |
| Polarization: | Circular |
| Gain ea. port [Circular]: | 2x14 dBdC |
| Gain ea. port [Linear]: | 2x11 dBdL |
| Axial Ratio: | 2 dB |
| Isolation between ports (TX band): | 30 dB |
| Front-to-back ratio: | 30 dB |
| Intermodulation (2x20W): | IM3 150 dB IM5 160 dB IM7/9 170 dB |
| Power rating: | 2x 500 W |
| H-plane (-3 dB point): | 2x 55° |
| V-plane (-3 dB point): | 2x 16° |
| Lightning protection: | DC grounded |

Mechanical specifications

| | | |
|--|---------------------|--------------------|
| Overall height: | 51.9 in | [1318 mm] |
| Width: | 13.9 in | [353 mm] |
| Depth: | 11.3 in | [287 mm] |
| Weight (excluding brackets): | 20 lbs | [9 Kg] |
| Wind load measured up to: | 150 mph | [240 Km/h] |
| Wind area (front of antenna): | 5.01 sq. ft. | [0.46 sq.m] |
| Lateral thrust at 113 mph/ 180 Km/h (worst case): | 256 lbs | [1138 N] |

Materials

| | |
|----------------------------------|----------------------------|
| Radiating Elements: | Aluminum |
| Transformer (Power distribution) | Ceramic PCB |
| Chassis: | Aluminum |
| Radome: | Grey Fiberglass/PVC |
| Mounting bolts: | Stainless steel |

The SWCP 2x5514 is made in the U.S.A.