

CMAX-YG-CPUSEW-153



Cell-Max™ Log Periodic Outdoor Antenna 698-3800MHz

Product Classification

| | |
|----------------------|------------------------|
| Product Type | Indoor/outdoor antenna |
| Product Brand | Cell-Max™ |

General Specifications

| | |
|-------------------------------|---------------|
| Application | Outdoor |
| Antenna Type | Directional |
| Polarization | Vertical |
| Color | White |
| Number of Ports | 1 |
| Radome Material | ABS |
| RF Connector Interface | 4.3-10 Female |

Dimensions

| | |
|---------------|--------------------|
| Width | 210 mm 8.268 in |
| Depth | 65 mm 2.559 in |
| Length | 440 mm 17.323 in |

Electrical Specifications

| | |
|---------------------------------|---------------------------------------------------------------------|
| Electrical Note | Values typical, unless otherwise stated |
| Impedance | 50 ohm |
| Operating Frequency Band | 1400 – 1600 MHz 1710 – 2700 MHz 3300 – 3800 MHz 698 – 960 MHz |

Electrical Specifications

| | | | | | |
|----------------------------|----------------|----------------|------------------|------------------|------------------|
| Frequency Band, MHz | 698–800 | 800–960 | 1400–1600 | 1695–2700 | 3300–3800 |
|----------------------------|----------------|----------------|------------------|------------------|------------------|

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|---------------------------------------------|----------|----------|----------|----------|----------|
| Gain, dBi | 8.2 | 8.4 | 9.5 | 9.5 | 9.2 |
| Beamwidth, Horizontal, degrees | 91 | 92 | 75 | 73 | 69 |
| Beamwidth, Vertical, degrees | 64 | 66 | 57 | 55 | 51 |
| Front-to-Back Ratio at 180°, dB | 16 | 21 | 21 | 22 | 16 |
| VSWR Return loss, dB | 1.7 11.7 | 1.7 11.7 | 1.6 12.7 | 1.6 12.7 | 1.6 12.7 |
| PIM, 3rd Order, 2 x 20 W, dBc | -153 | -153 | -153 | -153 | -153 |
| Input Power per Port, maximum, watts | 100 | 100 | 100 | 100 | 100 |

Environmental Specifications

| | |
|---------------------------------------|----------------------|
| Relative Humidity | Up to 100% |
| Ingress Protection Test Method | IEC 60529:2001, IP65 |

Packaging and Weights

| | |
|---------------------------|--------------------|
| Height, packed | 245 mm 9.646 in |
| Depth, packed | 93 mm 3.661 in |
| Length, packed | 513 mm 20.197 in |
| Packaging quantity | 1 |
| Weight, gross | 1.14 kg 2.513 lb |
| Weight, net | 0.53 kg 1.168 lb |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|
| CHINA-ROHS | Below maximum concentration value |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |

