



# **SIGNAL ANTENNA SYSTEMS**

## **MODEL: KUFP-122421-1**

Product Data Sheet

**KUFP-122419-1:** Ku-Band, flat-panel array antenna with high aperture efficiency and wideband performance. Ideal for applications requiring small form factor aperture and medium to high gain. Excellent alternative to standard horn antenna.



### **PERFORMANCE CHARACTERISTICS**

#### **RF and Electrical**

|                          |                   |
|--------------------------|-------------------|
| Frequency Range          | 10.7 – 13.5 GHz   |
| Gain                     | 21 dBi (Nominal)  |
| 3-dB Beamwidth (E-Plane) | 9.0°              |
| 3-dB Beamwidth (H-Plane) | 16°               |
| Polarization             | Linear (Vertical) |
| VSWR                     | 1.8:1             |
| Power Handling           | 100 Watts         |

#### **MECHANICAL**

|            |                      |
|------------|----------------------|
| Dimensions | 5.56" x 3.06" x 0.9" |
| Weight     | 3.6 oz               |
| Mounting   | 8x 0.150" OD holes   |

#### **INTERFACE**

|                    |  |
|--------------------|--|
| WR-75 Cover Flange |  |
|--------------------|--|

#### **ENVIRONMENTAL**

|                       |                |
|-----------------------|----------------|
| Operating Temperature | -55° to 75°    |
| Altitude              | 50,000 ft      |
| Humidity              | 100% Non-Cond. |

#### **ADDITIONAL QUALIFICATIONS**

|                         |
|-------------------------|
| MIL-STD-810E and DO-160 |
|-------------------------|

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