

Model 470029 Array Antenna

Radar and RF Microwave
Flat Plate Array Antennas

COBHAM

2015 Data Sheet

The most important thing we build is trust

Features:

- Rigid Construction
- Lightweight
- High Efficiency
- Broad Bandwidth
- Switchable Beams
- Shaped Beams
- Beam Matching
- High Power Capacity
- Airborne Qualified



Description:

This model is a monopulse antenna working in X-Band with two separate inputs: sum and difference. The radiation pattern characteristics include narrow beamwidth in the azimuth plane and high gain. Ideal for weather detection and/or surveillance radar systems.

Specifications

Frequency Range	9.25 – 9.45 GHz
Size (inches)	46.80 x 9.80 x 2.60
Weight	9.6 lbs.
Gain	33.8 dB min.
Polarization	Horizontal
Sum Channel Beamwidth	1.8° max. E Plane 6.7° max. H Plane
Sum Channel Sidelobes	-19° dB max. E Plane -12° dB max. H Plane
VSWR	1.65:1 max.
Null Depth for DELTA Pattern	-30 dB min.
Power Handling	4.0 kW Peak 400 W avg.

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