

Model 434XXX Series Array Antennas

Radar and RF Microwave
Flat Plate Array Antennas

COBHAM

2016 Data Sheet

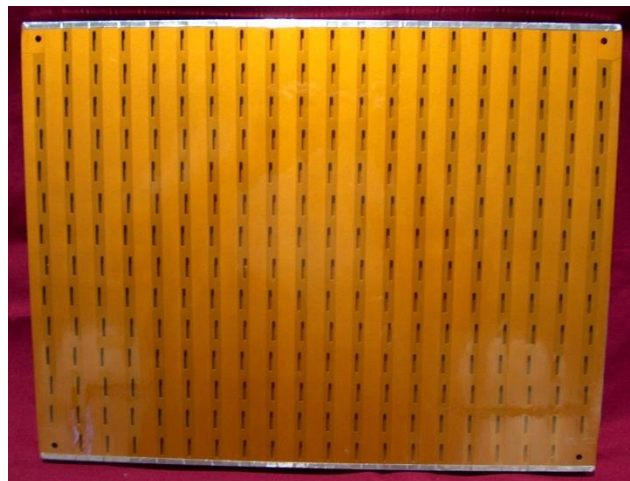
The most important thing we build is trust

Features:

- Broad bandwidth
- High efficiency
- Narrow beamwidth
- Lightweight
- Coax input

Description:

Used in a variety of applications where frequency bandwidth can be limited but the need to maximize gain and sidelobe performance is required.



Specifications

Environment	Non-pressurized
Input Connector	50 Ohm, SMA
Mounting	4 Point Typical

Model	Band	Dimensions (inches)	Gain	VSWR	Sidelobes (Nominal)	3 dB Beamwidth	
						E Plane	H Plane
434634	S	12 x 12 x 3.1	12.1 dB	2.2:1	11.5 dB	24.1°	24.4°
434635	S	30 x 30 x 3.1	20.7 dB	2.2:1	11.5 dB	10.4°	10.6°
434636	C	12 x 12 x 3.1	20.2 dB	2.2:1	11.5 dB	12.6°	11.1°
434637	C	30 x 30 x 3.1	27.9 dB	2.2:1	11.5 dB	5.2°	5.4°
434642	X	12 x 12 x 3.1	26.1 dB	2.2:1	12.0 dB	6.3°	5.4°
434643	X	30 x 30 x 3.1	34.2 dB	2.2:1	12.0 dB	2.2°	2.4°
434644	Ku	12 x 12 x 3.1	27.8 dB	2.2:1	11.5 dB	4.7°	4.3°
434645	Ku	30 x 30 x 3.1	35.8 dB	2.2:1	11.5 dB	2.5°	2.3°

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