MANT-1424DH-2C-16A/06N
Medium Gain Dual Circular Polarized Antenna System

This is a totally integrated system where the dual circular polarized horn antenna is hard mounted to the electronic package and the RF Outputs of the amplifiers can be used as an Input to Receiver, Multicouplers or Down Converters.

Antenna Specifications

Antenna Frequency Range: 1,400 to 2,400 MHz

Frequency (GHz)	Gain (dBi)	Beamwidth (Deg)
1.40	14.00	36.00
1.70	14.50	32.00
1.85	15.40	28.00
2.00	16.10	24.00
2.20	16.10	22.00
2.40	16.30	20.00

Filters (2 each)

½ dB Passband:	1,400 to 2,400 MHz
Out of Band Rejection:	50 dB @ 1,300 MHz, 2,500MHz
Notch	40 dB @ 1,850 to 2,200MHz
	10 dB @ 2,300 to 2,360MHz

Amplifiers (2 each)

Pass band:	1,400 to 2,400 MHz
Gain:	35 dB, Typical
Noise Figure:	1.0 dB, Typical

Packaging

AC Power:	100 to 230 VAC @ 50-60 Hz
Power Connector:	MS3102E10SL-3P
Display:	LED showing Power to system
RF Connectors:	N-Female
Mounting:	Mounting Pattern Provided by client
Chassis:	Weatherproof and Sealed
Operating Temperature Range:	-20 to +50 º C
Storage Temperature Range:	-40 to +70 º C
Humidity:	5 to 95 % Non condensing
Antenna Dimensions:	13.5” square x 28” long
Electronics Dimensions:	4” x 4” x 5.5” typically

