



PEAR™ M4969i

Broadband Dual Polarized MIMO In-Building Antenna

[MIMO 1710-2700 MHz]



DESCRIPTION:

Ceiling mount omni directional MIMO antenna for in-building applications such as DAS. The V-Pol covers 698-2700 MHz and 5300-6000 MHz and the H-Pol the 1710-2700 MHz frequency range.

Electrical Specifications	Port 1		Port 1 & 2		Port 1
Frequency Band	698-790 MHz	790-960 MHz	1710-2170 MHz	2170-2700 MHz	5300-6000 MHz
Input	2x N-Type (Female)				
Polarization	vertical		vertical / horizontal		vertical
Impedance	50 Ω				
VSWR / Return Loss	<1.5:1 / 14.0 dB	<1.7:1 / 11.8 dB	<1.8:1 / 10.9 dB	<2.0:1 / 9.5 dB	<2.5:1 / 7.36 dB
Inter-Port Isolation (typ.)	-30 dB	-25 dB	-25 dB	-25 dB	-30 dB
Max. Gain	2.5 dBi	2.4 dBi	6.9 dBi	7.2 dBi	6.0 dBi
Avg. Gain	2.0 dBi	1.9 dBi	5.7 dBi	6.2 dBi	5.0 dBi
Horizontal Beamwidth	Omni (360°)				
Peak PIM @ 2 x 43 dBm	< -150 dBc				
Input Power	25 W at ambient temperature of 77° F (25° C)				

Mechanical Specifications	
Operating Temperature	-40° to 158°F (-40° to +70°C)
Environmental Conditions	Indoor
Antenna Weight	1.58 lbs (720g)
Dimensions (Diameter / Height)	13.2" / 4.88" (335mm / 124mm)
Flammability rating	UL 94-V0
RoHS	compliant
Radome Color	RAL 9016 (white)*
Radome Material	PC/ABS
Approved for use in Plenum Space	Listed & tested by Intertek/ETL

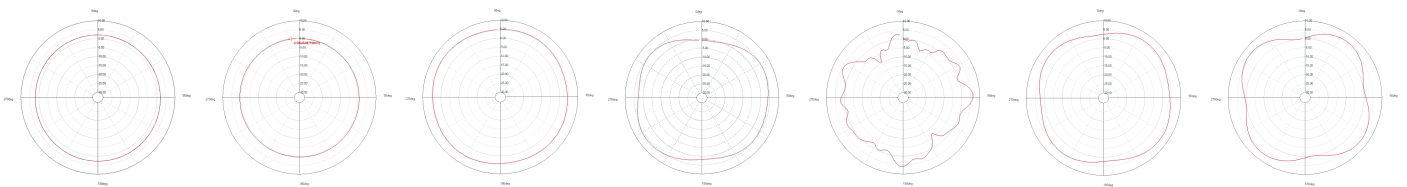
ADDITIONAL INFORMATION:

Fasteners for below suspended ceiling mounting included, max. ceiling thickness 30mm. Mounting kits for antenna placement above or through suspended ceiling optional. Radome can be painted in different colors.

MOUNTING & ANTENNA OPTIONS

Part Number	Connector	Description
02108270-04969U	2x N-Type (F)	Ant. PEAR M4969i with Below Ceiling Mount
02108270-04969T	2x N-Type (F)	Ant. PEAR M4969i with Through Ceiling Mount
62-40-09		Above Ceiling Mount Kit
62-17-09		Through Ceiling Mount Kit

* Radome can be painted with recommended paint "Krylon Fusion for Plastic".



V-Pol 698 MHz

V-Pol 830 MHz

V-Pol 1900 MHz

V-Pol 2600 MHz

V-Pol 5500 MHz

H-Pol 1900 MHz

H-Pol 2600 MHz

