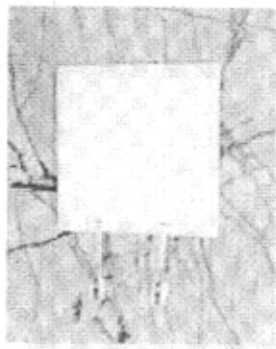


S1857HVP12NF/S1717HVP12NF

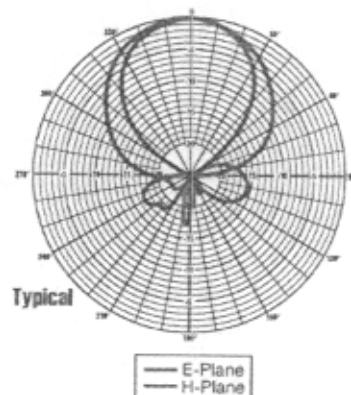
**7 dBi gain patch antennas featuring dual linear polarization.**

This antenna is just one example of the versatility inherent to the Cushcraft patch design concept. The antenna has one feed for horizontal and one for vertical polarization. It is an excellent choice where size restrictions limit the use of spatial diversity. This dual linear design gives you diversity benefits in the footprint of one antenna. This is an excellent choice where there is a high probability of multipath and space is limited.

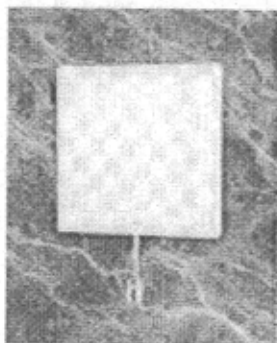
Cushcraft also has circular polarization designs available in the basic configurations shown. Call for additional information if these configurations are more suitable to your application.

S1857HVP12NF (1.85 - 1.99 GHz)

S1717HVP12NF (1.71 - 1.88 GHz)



S1858P12NF/S1718P12NF

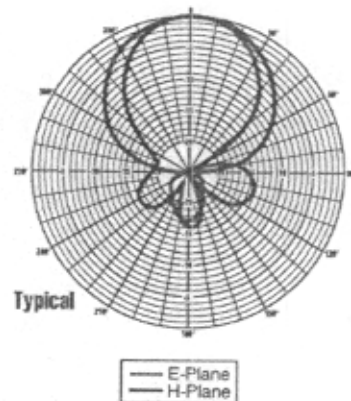
**An easy to conceal 8 dBi gain, directional patch antenna.**

This small panel antenna is extremely easy to conceal. It's articulating mount will allow you to mount it anywhere and change it's polarization from linear vertical to either linear horizontal or slant 45 degree. It's tight, precise pattern shape puts the signal where you want it.

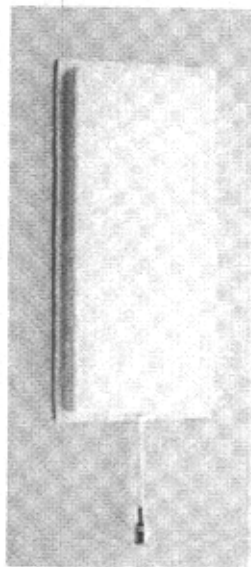
The antenna is well suited to system requirements where aesthetics and precise pattern shaping are at a premium. This is an excellent design for use as a fixed subscriber antenna in Wireless Local Loop systems and for Wireless PBX base stations.

S1858P12NF (1.85 - 1.99 GHz)

S1718P12NF (1.71 - 1.88 GHz)



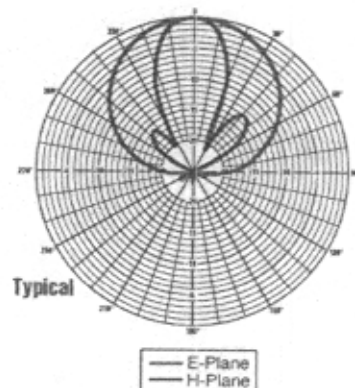
S18512P12NF/S17112P12NF

**Disguise Radome Enclosed, 12 dBi gain, directional patch antenna.**

This antenna features high performance in a small package. It may well be the smallest 12 dBi directional antenna on the market today. The design is best suited to microcellular or picocellular system requirements where extended range and a small footprint are required. The antenna's articulating mount will allow you to locate and position the antenna anywhere and focus it's precise pattern where needed. The design is also an excellent choice for Wireless Local Loop fixed subscriber applications where additional range is required.

S18512P12NF (1.85 - 1.99 GHz)

S17112P12NF (1.71 - 1.88 GHz)

**SPECIFICATIONS**

MODEL	S1857HVP12NF	S1717HVP12NF	S1858P12NF	S1718P12NF	S18512P12NF	S17112P12NF
Frequency (GHz)	1.85-1.99	1.71-1.88	1.85-1.99	1.71-1.88	1.85-1.99	1.71-1.88
Impedance (Ohms)	50	50	50	50	50	50
VSWR	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1
Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Gain (dBi)	7	7	8	8	12	12
Beamwidth E-Plane, deg	51	60	50	50	25	25
H-Plane, deg	65	62	65	65	66	64
RF Connector	N-female	N-female	N-female	N-female	N-female	N-female
Dimensions, in (cm)	6 x 6 x 1 (15.2 x 15.2 x 2.5)	6 x 6 x 1 (15.2 x 15.2 x 2.5)	6 x 6 x 1 (15.2 x 15.2 x 2.5)	6 x 6 x 1 (15.2 x 15.2 x 2.5)	6 x 13 x 1 (15.2 x 33.0 x 1)	6 x 13 x 1 (15.2 x 33.0 x 1)
Mounting	Wall & Mast	Wall & Mast	Wall & Mast	Wall & Mast	Wall & Mast	Wall & Mast
UltraLink Cable, in (cm)	12 (30.5)	12 (30.5)	12 (30.5)	12 (30.5)	12 (30.5)	12 (30.5)
Weight, lb (kg)	52 (23)	52 (23)	52 (23)	52 (23)	1 (45)	1 (45)
Front to Back Ratio (dB)	13	13	13	13	24	24

CUSHCRAFT