

FEATURES / BENEFITS

- 2 ports / 1 system in high band (1710-2170MHz), 33deg.
- Manual VET

**Technical features****ELECTRICAL SPECIFICATIONS**

Electrical Specification Header		High Band Array (1710-2170 MHz) [B1]	
Frequency Band	MHz	1710-1880	1920-2170
Gain Typical	dBi	19.4	19.4
Gain Over all Tilts	dBi	19.1 +/- 0.3	19.2 +/- 0.2
Azimuth Beamwidth 3dB	Deg	31.7 +/- 1.8	28.2 +/- 1.5
Elevation Beamwidth 3dB	Deg	8.3 +/- 0.5	7.5 +/- 0.5
Cross Polar Discrimination at Boresight	dB	21.8	
Cross Polar Discrimination over Sector	dB	6.6	10.1
F/B at +/-30deg Total Power	dB	28.8	29.9
First Upper Side Lobe Suppression	dB	19.3	17.5
Electrical Downtilt	Deg	0 to 10	
Cross Polar Isolation	dB	28	
VSWR	-	1.5	
Passive Intermodulation (3rd Order, 2 x 43dBm)	dBc	-150	
Maximum Effective Power per Port	Watt	250	

ELECTRICAL SPECIFICATIONS

Impedance	Ohm	50
Polarization	Deg	+/-45

MECHANICAL SPECIFICATIONS

Dimensions - H x W x D	mm (in)	1200 x 295 x 139 (47.2 x 11.6 x 5.5)
Weight (Antenna Only)	kg (lb)	15 (33.1)
Weight (Mounting Hardware only)	kg (lb)	0.1 (0.2)
Packing size- HxWxD	mm (in)	1465 x 400 x 240 (57.7 x 15.7 x 9.4)
Shipping Weight	kg (lb)	19.1 (42.1)
Connector type		2x 4.3-10 female/bottom
Radome Material / Color		UPVC / Light Grey RAL7035

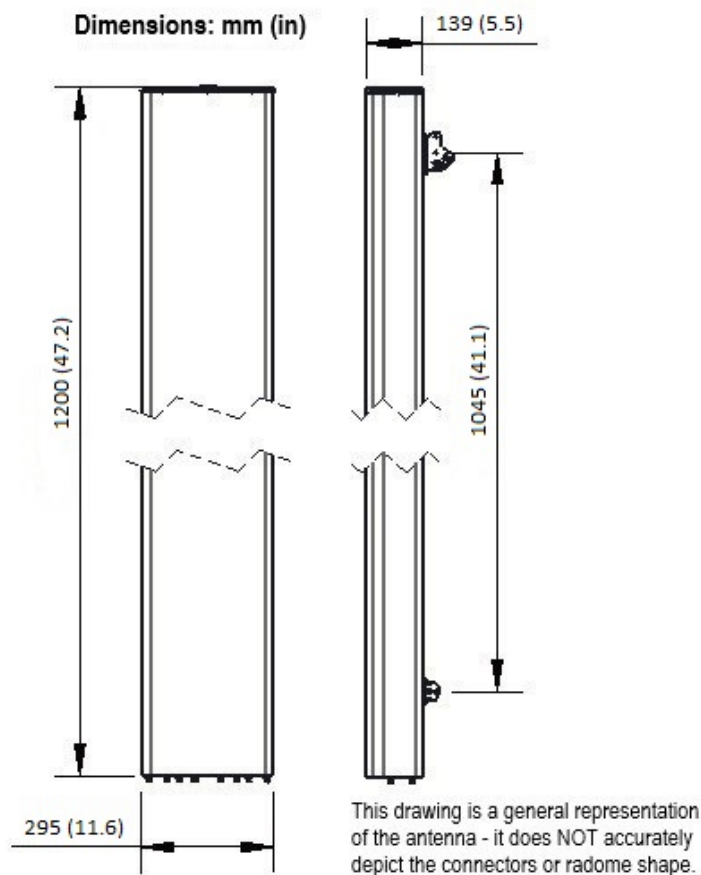
TESTING AND ENVIRONMENTAL

Temperature Range	°C (°F)	-40 to 60 (-40 to 140)
Lightning protection		Direct Ground
Survival/Rated Wind Velocity	km/h	200 (150)
Wind Load @Rated Wind Front	N	427
Wind Load @Rated Wind Side	N	176
Wind Load @Rated Wind Rear	N	509

ORDERING INFORMATION

Order No.	Configuration	Mounting Hardware	Mounting Pipe Diameter	Shipping Weight
APXV3R13B_43-H	Manual VET	APM50-BH (Hose Clamp)	65-115mm	19.1 kg





B1

External Document Links

[APM50_Series_Installation_Instructions](#)

Notes

- All electrical parameters are compliant with BASTA NGMN 11.1 requirements.
- For additional mounting information please click "External Document Links".

- **Radiating patterns:** [Request pattern files](#)