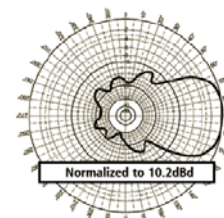
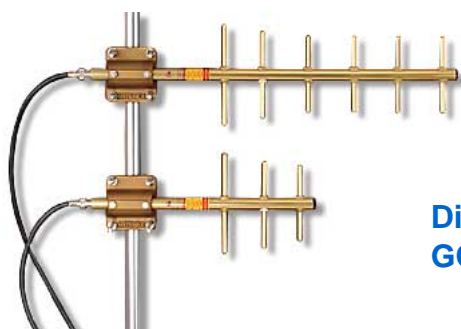




AutoLog® Antennas



Directional Yagi Antennas GOLD ANODIZED FULLY WELDED UHF MODELS

Model	Frequency	Center Freq	Elements	Gain	FB Ratio
Y4065	406-430 MHz	418 MHz	5	9.2 dBd	20 dB
Y4066	406-430 MHz	418 MHz	6	10.2 dBd	20 dB
Y4303	430-450 MHz	440 MHz	3	7.1 dBd	17 dB
Y4305	430-450 MHz	440 MHz	5	9.2 dBd	20 dB
Y4306	430-450 MHz	440 MHz	6	10.2 dBd	20 dB
Y4312	430-450 MHz	440 MHz	12	11 dBd	20 dB
Y4503	450-470 MHz	460 MHz	3	7.1 dBd	17 dB
Y4505	450-470 MHz	460 MHz	5	9.2 dBd	20 dB
Y4506	450-470 MHz	460 MHz	6	10.2 dBd	20 dB
Y4512	450-470 MHz	460 MHz	12	11 dBd	20 dB
Y4705	470-490 MHz	480 MHz	5	9.2 dBd	20 dB
Y4706	470-490 MHz	480 MHz	6	10.2 dBd	20 dB
Vertical polarization, 50 ohm impedance, Mounting to 2" pipe diameter, HD mounting kit included					
Termination type: N female connector, Lightning Protection					
Please specify center frequency with the order					



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AutoLog® Antennas

**Fiberglass Omni-directional Antennas:
UHF 5 dB GAIN MODELS**



Model	Frequency	Center Freq	Length	Gain
FG4065	406-416 MHz	411 MHz	76", 195cm	5 dBd
FG4205	420-430 MHz	425 MHz	76", 195cm	5 dBd
FG4305	430-440 MHz	435 MHz	76", 195cm	5 dBd
FG4405	440-450 MHz	445 MHz	76", 195cm	5 dBd
FG4505	450-460 MHz	455 MHz	76", 195cm	5 dBd
FG4505W	450-470 MHz	460 MHz	76", 195cm	5 dBd
FG4605	460-470 MHz	465 MHz	76", 195cm	5 dBd
FG4705	470-480 MHz	475 MHz	76", 195cm	5 dBd

Vertical polarization, 50 ohm impedance, Mounting FM2 2.5" pipe diameter, Mounting kit sold separately

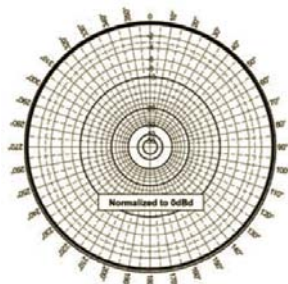
Vertical beam width 20°, Termination: Recessed type "N" female connector

Lightning Protection: Lightning Arrestor LABH350NN or Quarter Wave LP

Please specify center frequency with the order



FM2



LABH350NN



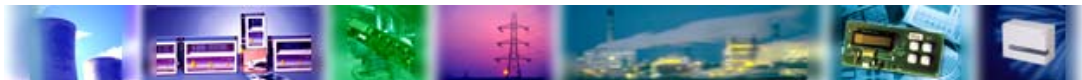
QWLP



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AutoLog® Antennas

Omni-directional Antennas: UHF 7 – 8.5 dB GAIN MODELS

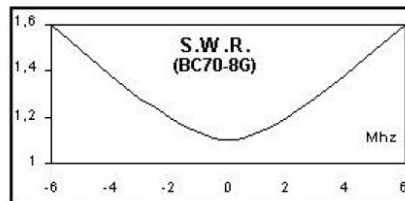
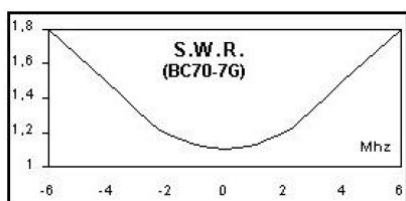
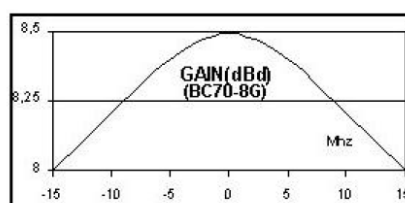
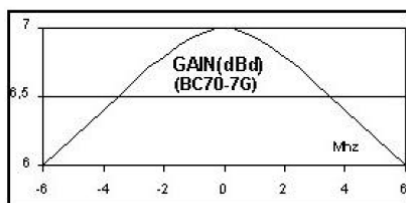
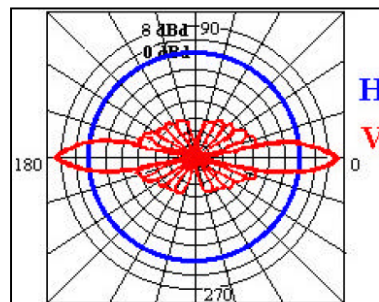
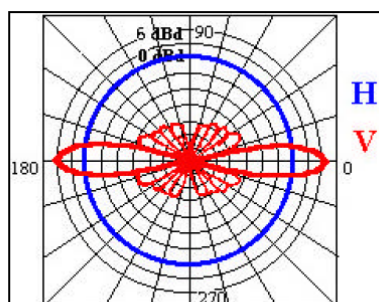


Model	Frequency	Bandwith	Lenght	Gain	Wind load (150km/h)
BC70-7G	375-512 MHz	8MHz	3.9m	7dBd	150N
BC70-8G	375-512 MHz	8MHz	4.5m	8.5dBd	170N

Vertical polarization, 50 ohm Impedance, Mounting 27-65mm pipe diameter

Lightning Protection: Lightning Arrestor LABH350NN or Quarter wave LP

Please Specify center frequency with the order



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AutoLog® Antennas

Lightning protection

When mounting the antennas at high locations, it is also recommended to use separate lightning protectors (LP) to insure the radio modem against the stroke of lightning to the antenna, mast or especially to surroundings.

Why LR?

- LR is a lightning rod support extending the length of the antenna mast so that the antenna can be mounted on the top and still the whole antenna structure can be enclosed within a protective cone.
- Lightning rod collects the strokes of lightning, not the antenna.
- LR enables the use of continuous copper down lead (1x16 mm² ... 2x25 mm²) from the very top to the ground.
- No junctions! Junctions are the weak points of down leads.



Why Quarter wave LP?

- **Quarter wave lightning protectors** are maintenance free lightning protectors enabling continuous communication without need for service or replacement. This makes the difference compared to fuse like operating lightning protectors.
- Female to male connector interface enables easy insertion also to already existing installations.
- LP has a M8 cable lug for proper grounding.
- The center and outer conductor are DC shorted and on the same ground potential.
- The quarter wave construction makes LP to behave like a band pass filter canceling also even harmonic frequencies.





AutoLog® Antennas

- The quarter-wave shorted stub have the characteristic of providing an infinitely high impedance to any RF signal at the frequency of resonance to which the stub is cut. This means that the stub will not allow your RF signal to be shorted out. In fact, your radio will never know this device is connected. It will not affect your signal's strength at distant stations at all. Nor will it cause any degradation of your receive signal.
- One other advantage the quarter-wave shorted stub can provide is the reduction of interference from strong transmitters out of the frequency range of the stub. (At 2 Meters, the normal stub has a bandwidth of approximately 10 MHz. For example, if your station is close to a strong UHF broadcast station, and there is RF overload from the signal it presents to your station antenna, the stub will act as a tuned filter and eliminate a great portion of the interfering RF signal. In many cases it eliminates enough of the interfering signal to totally stop its effects on the station receiver.



Model	Lenght
AutoLog Lightning Rod	1-2 m Depends on the application



Model	Frequency
AutoLog Quarter Wave Lightning Protector (QWLP)	Tuned to UHF frequency

