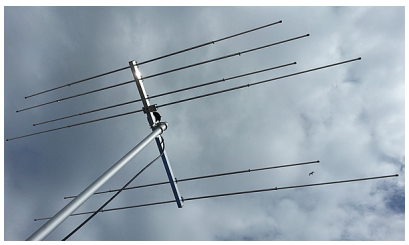
3/3 (6) element 50/70MHz Yagi (1.2m)



A Dualband 50/70MHz Yagi with single feedpoint and 6 elements on a 1.2m long boom

Rating: Not Rated Yet
Price
Sales price £149.95

Sales price without tax £116.63

Ask a question about this product

ManufacturerInnovAntennas

Description

Postage £12.00 to UK mainland (not Scottish Highlands) USA/Europe £24.00, for rest of World please This email address is being protected from spambots. You need JavaScript enabled to view it.
document.getElementById('cloak92d89412acc28859081d11f92d6dedb7').innerHTML = ''; var prefix = 'ma' + 'il' + 'to'; var path = 'hr' + 'ef' + '='; var addy92d89412acc28859081d11f92d6dedb7 = 'sales' + '@'; addy92d89412acc28859081d11f92d6dedb7 = addy92d89412acc28859081d11f92d6dedb7 + 'innovantennas' + '.' + 'com?subject=postage%20charge%20-%20antennas'; var addy_text92d89412acc28859081d11f92d6dedb7 = 'Email';document.getElementById('cloak92d89412acc28859081d11f92d6dedb7').innerHTML += ''+addy_text92d89412acc28859081d11f92d6dedb7+'';

An Excellent Dual Band Yagi for 50/70MHz with 1.2m boom

Model: DB-664

A dualband balun is recommended for this antenna, details can be found HERE

The 4-6-6 Dual Band Yagi has a total of 6 elements, 3 elements are used on 70MHz while 3 elements are used on 50MHz. The 4-6-6 InnovAntennas Dual Band Yagi stands aside from the crowd due to the methods used for it's design. The 4-6-6 uses no traps or coils, no phasing arrangements and has no need for 'compromise' spacing between elements as the antenna has a set of correctly spaced elements for either band but still deploys only one feed point. An excellent antenna with great SWR bandwidth and performance in one package.

Performance

Gain on 50MHz: 6.83dBi @ 50.150MHz (12.44dBi 10m above ground)

F/B on 50MHz: 10.12dB @ 50.150MHz

Gain on 50MHz at 10m above Ground: 14.43dBi

Gain on 70MHz: 7.05dBi @ 70.200MHz (12.76dBi 10m above ground)

F/B on 70MHz: 18.23dB @ 70.200MHz

Power Rating: 3kw

SWR 50MHz: Below 1.3:1 from 50.00MHz to 50.500MHz

SWR 70MHz: Below 1.5:1 from 69.950MHz to 70.600MHz

Boom Length: 1.175m

Weight: 2Kg / 4.5LB

Turning Radius: .804m / 3ft

Wind Loading: 0.05 Square Metres / 0.63 Square feet

Wind Survival: 241KPH / 150MPH

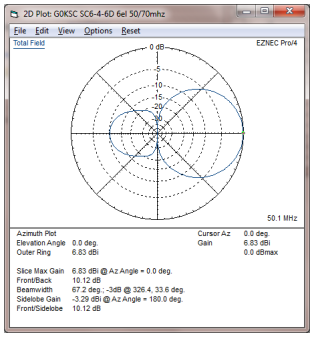
Specification

This antenna is made 1/2 inch (12.7mm) centre elements and 3/8 inch (9.525mm) outer elements (70MHz element are one piece 1/2 inch). The antenna has fully insulated elements which will ensure continuous, high performance for many years to come. Boom to mast brackets are included with all antennas which will support 2 inch (50mm) masts. **Boom is 1.25 inch square 16SWG aluminum**.

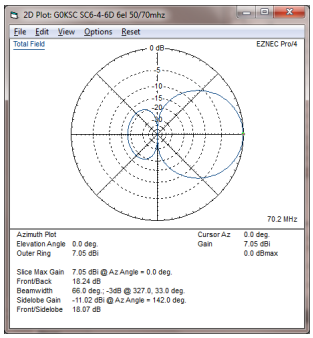
Our antennas are constructed with the best quality materials in order that the best mechanical construction can be achieved, not the cheapest and most profitable! Even a digital caliper is used (with an accuracy of .01mm) to measure the elements during production to ensure they are within 0.2mm of what they should be, this ensures they work as well as our software model predicts.

Note: Much development time has gone into our antennas, not just on basic electromagnetic design, we are able to model the effect of insulators, booms and other objects to ensure the make up of our antennas have least effect on performance and pattern degradation. More information can be found here

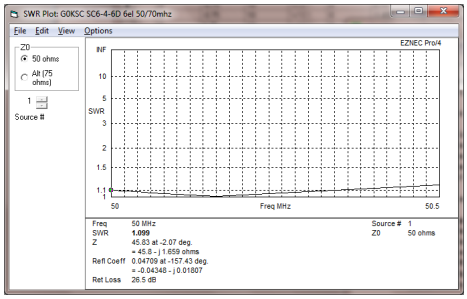
- **Marine grade Stainless Steel Fittings**
- **Original Stauff Insulation clamps**
- **Mill finished boom and elements for highest levels of accuracy**



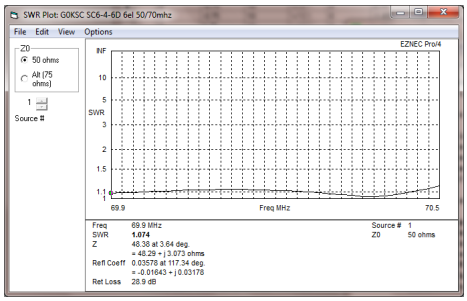
Azimuth Plot 50MHz



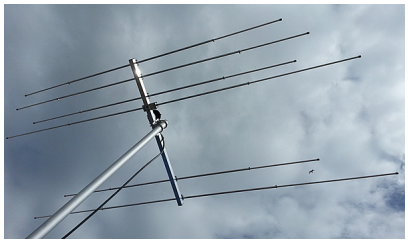
Azimuth Plot 70MHz



SWR 50MHz



SWR 70MHz



Manufactured the right way, not the cheapest way!