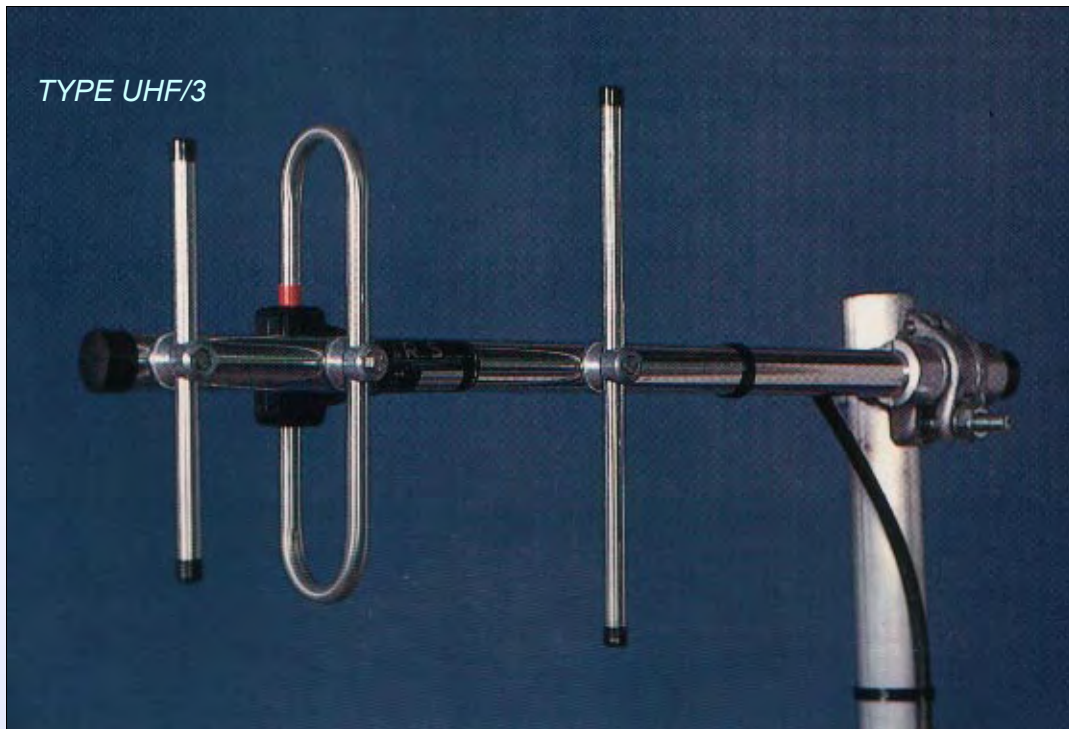


UHF/3 THREE ELEMENT UHF YAGI Frequency Range 390 - 500 MHz



**NO ANTENNA
INDUCED STATIC**

**6 dB GAIN OVER
1/2 WAVE DIPOLE**

**FREQUENCY RANGE
390-500 MHz**

**CAN BE STACKED OR BAYED
FOR INCREASED GAIN**

ROBUST & RELIABLE

INCORPORATED D.C. SHORT

These three element, directional yagis are very robust and manufactured to a high degree of Telecommunication Specification. They give a gain of 6 dB over a 1/2 wave dipole and can withstand a maximum input power rating of 200 watts. The dipole element is made from one piece of tube, thus removing potential

high resistance points and the balun is completely seal moulded in black carbon-loaded polyethylene to protect the internal electrical connections.

These antennas can be stacked and fed in phase with a matching harness for increased gain.

MANUFACTURED TO CUSTOMER SPECIFIC FREQUENCY REQUIREMENTS

UHF/3 THREE ELEMENT UHF YAGI Frequency Range 390 - 500 MHz**SPECIFICATIONS**

Gain over 1/2 wave Dipole V.S.W.R.	6dB Better than 1.5: 1 over the operating Band
Input Impedance	50 OHMS
Maximum Input Power Rating	200 watts
Bandwidth	± 7% of centre frequency
Polarisation Vertical or horizontal	E Plane 60°
Half Power Beamwidth	H Plane 82°
Front to Back Ratio	18dB
Connection	3 metre length of RG21 3 fitted with N type socket & PVC sleeve
Support Boom	1 1/4" x 12 swg Aluminium Alloy Tube HE3OTF
Radiating Elements	1/2" x 16 swg Aluminium Alloy Tube HE9TF
Casting	Aluminium Alloy Kemloc
Nuts & Bolts	18/8 Stainless Steel with Nyloc Nuts
Insulator	Black Carbon Loaded Polyethylene
Weight @ 450 MHz	1.3 Kgs
Windloading	4.5 Kgf @ wind velocity of 160 Kph

