

The S.8YS SHF yagi offers a high gain directive pattern for long range SHF links. The folded dipole incorporates a d.c. short to minimise static interference. The balun assembly is completely encapsulated in a closed cell foam, preventing moisture ingress. The all welded polyester coated construction lends itself to marine environments. They are supplied as standard with 1 metre of RG213 cable terminated with an 'N' type socket.



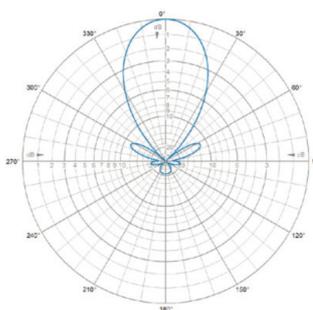
<b>Frequency range</b>	Manufactured between 790-1200 MHz
<b>Input impedance</b>	50Ω
<b>Typical Bandwidth</b>	±4% of centre frequency
<b>VSWR</b>	<1.5:1
<b>Front to back ratio</b>	18 dB
<b>Maximum input power</b>	100 Watts
<b>Polarisation</b>	Vertical & horizontal
<b>Forward gain</b>	10 dBd
<b>3dB Beamwidth</b>	E Plane 43° H Plane 50°
<b>Standard connection</b>	1m Length of RG213 c/w 'N' type socket
<b>Elements</b>	9.6mm dia aluminium alloy bar grade 6063T6
<b>Support boom</b>	25.4 mm dia. x 3.2 mm wall aluminium alloy grade 6082T6
<b>Fasteners</b>	Stainless steel grade A2-70
<b>Construction</b>	All welded
<b>Finish</b>	Polyester coated white
<b>Balun Encapsulant</b>	Closed cell foam
<b>Lightning protection</b>	Direct grounded
<b>Mounting Brackets</b>	Fixed norstel clamp & increasing sleeve (supplied)
<b>Typical Weight</b>	2.8 kg
<b>Typical Length</b>	0.8 m
<b>Typical Wind loading @ 45m/s</b>	55 N

#### Free Space Radiation Patterns

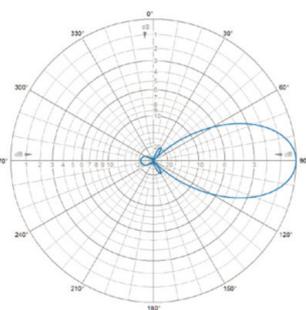
#### Mounting Accessories

#### Ordering Codes

##### H-Plane



##### E-Plane



**UA66-22**  
Cast aluminium  
cross clamp 25-  
50mm



**UA66-24**  
Cast aluminium  
cross clamp 25-  
115mm

**Stock code** | **Frequency**

**S.8YS-915** | 870-960MHz

**S.8YS-1050** | 1000-1100MHz

Issue 1. E&OE  This product is RoHS compliant