

Y800-20RL Series

UHF TV Yagi

The Y800-20RL series are a single dipole design which can cover any 8 consecutive UHF TV channel within the upper band. When you only need to cover a limited number of UHF TV channels, then directional broadcast yagis will be your most economical solution.

Mounting clamps, coaxial feeder cable, connectors and other installation accessories are all available separately.

Specifications	Y806-20RL	Y809-20RL	Y815-20RL
Construction	Aluminium, or add SS for stainless steel (304 grade)		
Frequency Range	UHF TV band V 700-820MHz		
Bandwidth	8 consecutive channels (60MHz) (specify when ordering)		
Return Loss, VSWR	Better than -20dB, <1.2:1 across specified bandwidth		
Tuning	Factory	Factory	Factory
Number of Elements	6	9	15
Gain (nominal)	9 dBd	11.5 dBd	14 dBd
Polarisation	Mount Horizontal or Vertical as required		
Maximum Power	50 Watts	50 Watts	50 Watts
Impedance	50 Ohms	50 Ohms	50 Ohms
H Plane (at 3 dBd)	51°	42°	30°
E Plane (at 3 dBd)	46°	34°	28°
Front-to-Back Ratio	17.8 dB	15 dB	15 dB
Connector (fitted)	N-female fitted to 250mm RG59		
Boom Length at 850MHz	0.6 metres	0.97 metres	1.85metres
Longest Element	210mm	210mm	210mm
Weight	Alum - 0.5Kg S/Steel - 1.2Kg	Alum - 0.7Kg S/Steel - 1.5Kg	Alum - 1Kg S/Steel - 2.6Kg
Projected Area	0.035m ²	0.054m ²	0.075m ²
Wind Load at 160kph	4.5Kg	6.5Kg	9.5Kg
Strut Kit (recommended)	Not required		YS1-48
Mounting Accessories	1 x A48 for Alum, 1 x S48 for S/Steel (order separately)		
Warranty	2 Years	2 Years	2 Years

