

## Phasing Harness

For Sidemount Dipoles

Or Yagi's

A phasing harness is for combining the feeder of 2 or 4 antennas into a single 50 Ohm input. The antennas may be a stack array formation of either sidemount dipoles or yagi's.

- PDD models are for Sidemount dipoles array's
- PDY models are for Yagi array's (specify yagi model)

Sidemount Dipoles are generally stacked at 0.7 to 0.8 $\lambda$  (wavelength) separation.

Yagi's are normally stacked to provide maximum forward gain. The separation distance will vary according to the number of elements and changes from approximately 1.3 $\lambda$  for 6 element models to 2 $\lambda$  for 15 element models.

The harness will be manufactured to exact requirements to suit the standard stacking distance, unless you specify otherwise.



Specifications	Phasing Harness PDD or PDY
Construction	Moulded plastic, coaxial cable and chrome connectors
Frequency Range	Specify Tx and Rx when ordering
Maximum Bandwidth	10% around your centre frequency
Return Loss, VSWR	All harnesses are optimised for better than -15dB, <1.5:1
Impedance	50 Ohm
Transformer Cable	RG11
Input/Output Cable	RG213
Connectors	N-female fitted to input arm, N-male on each output arm



Model codes on following page...

## Phasing Harness

For Sidemount Dipoles

Or Yagi's

Specifications	For Sidemount Dipoles	
	2-Way Harness	4-Way Harness
70-85 MHz	PDD22	PDD24
88-108 MHz	PDD52A	PDD54A
100-118 MHz	N/A	N/A
Air Band 118-136 MHz	PDDA2	PDDA4
148-174 MHz	PDD32	PDD34
Maximum Power	500 Watts	500 Watts
DAB+ 205 MHz	PDD22-DAB	PDD24-DAB
Maximum Power	800 Watts	800 Watts
400-520 MHz	PDD42	PDD44
520-800 MHz	PDD62	PDD64
800-960 MHz	PDD82	PDD84
Maximum Power	50 Watts	50 Watts
Specifications	For Yagi's	
	2 Way Harness	4-Way Harness
70-85 MHz	PDY22	PDY24
88-108 MHz	PDY52A	PDY54A
100-118 MHz	PDY52B	PDY54B
Air Band 118-136 MHz	PDYA2	PDYA4
148-174 MHz	PDY32	PDY34
Maximum Power	500 Watts	500 Watts
DAB+	PDY22-DAB	PDY24-DAB
Maximum Power	800 Watts	800 Watts
400-520 MHz	PDY42	PDY44
520-800 MHz	PDY62	PDY64
800-960 MHz	PDY82	PDY84
Maximum Power	50 Watts	50 Watts