

FMD-CPLP and FMD-CPHP

Page 1 of 2

Mixed polarised dipoles are an excellent choice for FM radio single transmission frequency local area coverage. Community broadcast groups with a limited budget will find these an affordable and effective option.

Coaxial feeder cable, connectors and other installation accessories are all available separately.

Specifications	FMD-CPLP-L	FMD-CPLP-H	FMD-CPHP-L	FMD-CPHP-H
Construction	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Frequency Range (FM)	FM 87.5-98MHz	98-108.5MHz	87.5-98MHz	98-108.5MHz
Bandwidth	Single FM broadcast frequency (specify when ordering)			
Tuning	Factory	Factory	Factory	Factory
Return Loss, VSWR	Better than -20dB, <1.2:1 across specified frequency			
Gain	-3 dBd single bay, stacking increases gain			
Polarisation	Mixed		Mixed	
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Maximum Power	500 Watts per bay		1 Kilowatts per bay	
Connector (fitted)	N-female		7/16" DIN female	
DC Grounding	Yes			
Length	1.4 metres			
Weight	1.5Kg			
Projected Area	0.048m			
Wind Load at 160kph	5.7Kg, 0.057kN			
Mounting Accessories	1 x S48 (supplied)			
Warranty	2 Years		2 Years	



FMD-CP Series with reflector bars or rear screen configurations on the following page.

FMD-CP Series

With reflector bars or rear screen

The FMD-CP series of FM mixed polarisation dipoles have the added configuration of attachment of either reflector bars or rear screens to reduce front-to-back ratio and improve signal propagation.

Coaxial feeder cable, connectors and other installation accessories are all available separately.

Specifications	FMD-CPLP-R	FMD-CPLP-RS1-SS	FMD-CPHP-R	FMD-CPHP-RS1
Construction	Stainless Steel with stainless steel reflector bars	Stainless Steel with stainless steel rear screen	Stainless Steel with stainless steel reflector bars	Stainless Steel with stainless steel rear screen
Frequency Range FMD-CP**-L FMD-CP**-H	(Add -R) 87.5-98MHz 98-108.5MHz	(Add -RS1-SS) 87.5-98MHz 98-108.5MHz	(Add -R) 87.5-98MHz 98-108.5MHz	(Add -RS1) 87.5-98MHz 98-108.5MHz
Bandwidth	Single FM broadcast frequency (specify when ordering)			
Tuning	Factory	Factory	Factory	Factory
Return Loss, VSWR	Better than -20dB, <1.2:1 across specified frequency			
Gain (each plane)	-0.4 dBd	-0.4 dBd	-0.4 dBd	-0.4 dBd
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Front-to-back	> -15db	> -20db	> -15db	> -20db
Maximum Power	500 Watts per bay		1 Kilowatt per bay	
Weight	2.0Kg	20Kg	2.0Kg	20Kg
Projected Area	0.079m	0.34m	0.079m	0.34m
Wind Load at 160kph	9.5Kg, 0.094kN	41.2Kg, 0.404kN	9.5Kg, 0.094kN	41.2Kg, 0.404kN
Antenna Mounting (Supplied)	1 x S48	U-bolts in screen	1 x S48	U-bolts in screen
Rear Screen Mounting	N/A	2 x UV1SS	N/A	2 x UV1SS
Warranty	2 Years	2 Years	2 Years	2 Years



FMD-CPLP-R



FMD-CPHP-RS1