

NEW

FM-ZCPD series

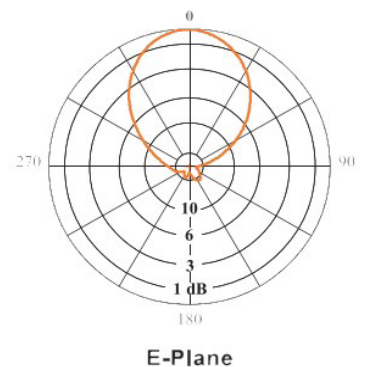
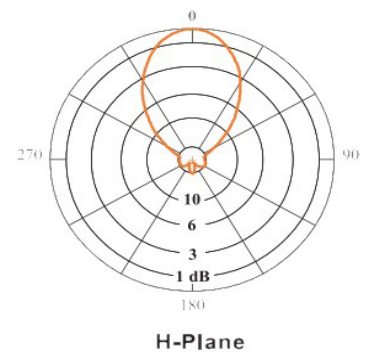
FM Radio high power dipole panel

Page 1 of 3

The FM-ZCPD is a medium to high power dipole panel antenna for FM Radio broadcast, designed to be installed into an array this panel offers mixed or circular radiation patterns.

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

Specifications	FM-ZCPD	FM-ZCPD-1
Construction	Galvanised steel rear screen and 304 stainless steel dipole/s	
Frequency range	FM band 87.5-108MHz	
Number of dipoles	4	1
Bandwidth	Specify 10MHz	Specify 10MHz
Tuning	Factory	Factory
Return loss, VSWR	Better than -20dB or <1.2:1 across full band	
Gain	4.5 dBd per plane	7.5dBi
Maximum power	Per dipole: 7/16" DIN female: 2kW or 7/8" EIA: 5kW	
Impedance - nominal	50 Ohms	50 Ohms
DC grounding	Yes	Yes
Polarisation	Circular or Mixed	Vertical
H Plane	65°	Consult ZCG
Connector	4 x 7/8" EIA or 4 x 7/16" DIN female - please specify	1 x 7/8" EIA or 1 x 7/16" DIN female - please specify
Panel size (L x W)	2.2 metres x 2.2 metres	
Weight	76kg	76kg
Projected area	1.19m ²	Consult ZCG
Wind load at 160kph	18.2Kg, 0.187kN	Consult ZCG
Mounting	4 x mounting plates - order U-bolts or bolts	
Mounting hardware	U-bolts - order separate to suit requirements, contact ZCG	
Warranty	2 Years	2 Years



More available models on following page...

NEW

FM-ZCPD series

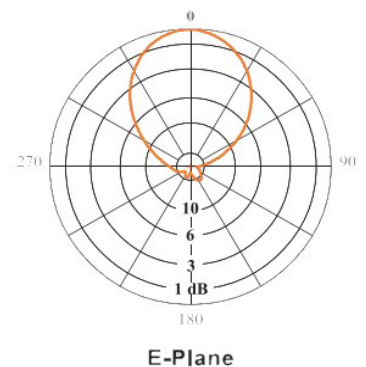
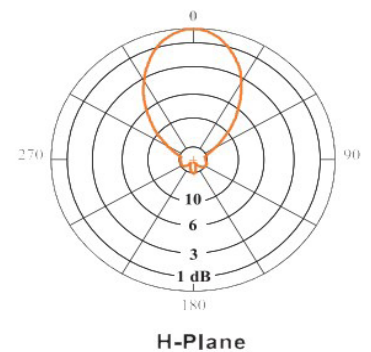
FM Radio high power dipole panel

Page 2 of 3

The FM-ZCPD is a medium to high power dipole panel antenna for FM Radio broadcast, designed to be installed into an array this panel offers mixed or circular radiation patterns.

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

Specifications	FM-ZHPD	FM-ZVPD
Construction	Galvanised steel rear screen and 304 stainless steel dipole/s	
Number of dipoles	2	2
Frequency range	FM band 87.5-108MHz	
Bandwidth	Specify 10MHz	Specify 10MHz
Tuning	Factory	Factory
Return loss, VSWR	Better than -20dB or <1.2:1 across full band	
Gain	7.5dBd	6.5dBd
Maximum power	Per connector: 7/16" DIN female: 2kW or 7/8" EIA: 5kW	
Impedance - nominal	50 Ohms	50 Ohms
DC grounding	Yes	Yes
Polarisation	Horizontal	Vertical
H Plane	65°	Consult ZCG
Connector	2 x 7/8" EIA or 2 x 7/16" DIN female - please specify	
Panel size (L x W)	2.2 metres x 2.2 metres	
Weight	76kg	76kg
Projected area	Consult ZCG	Consult ZCG
Wind load at 160kph	Consult ZCG	Consult ZCG
Mounting	4 x mounting plates - order U-bolts or bolts	
Mounting hardware	U-bolts - order separate to suit requirements, contact ZCG	
Warranty	2 Years	2 Years



NEW

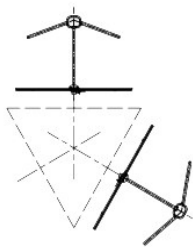
FM-ZCPD series

FM Radio high power dipole panel

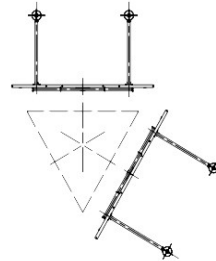
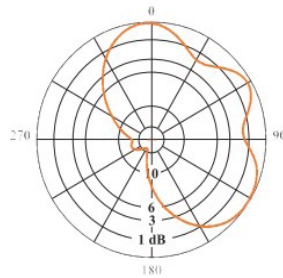
Page 3 of 3

The FM-ZCPD panel can be arranged to suit triangular and square towers. Steel work for mounting is to be supplied by others.

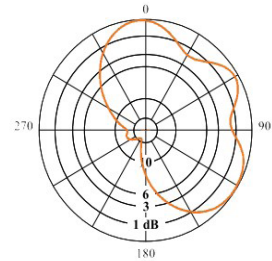
Onmi diectional patterns can be obtained by mounting antennas on all sides of the structure.



Horizontal Component of Field.



Vertical Component of the field.



Specifications	FM-ZCPD array configurations
Number of bays	Panels per bay
1	1, 2, 3 or 4
2	1, 2, 3 or 4
4	1, 2, 3 or 4
6	1, 2, 3 or 4
8	1, 2, 3 or 4
Maximum power	15kW per 7/8" EIA panel or 8kW per panel for 7/16" Din
Impedance	50 Ohms
DC grounding	Yes
Polarisation	Circular/ mixed

