

FMCPX series

Circular polarised dipoles FM Radio 87.5-108MHz

These FMCPX broadcast dipoles offer a truly circular radiation pattern with equal power emitted throughout all planes.

The benefit is an improved coverage area for your FM radio station.

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

| Specifications | FMCPX-78 | FMCPX-716 | FMCPX-N |
|---|--|---------------------|---------------------------|
| Construction | Fully-welded 304 grade stainless steel | | |
| Maximum bandwidth (specify when ordering) | A = 87.5-96MHz B = 93.5-102.5MHz C = 100.0-108MHz or specify requirements | | 87.5-108MHz specify 5MHz |
| Tuning | Factory | Factory | Factory |
| Return loss, VSWR | Better than <1.2:1 across specified bandwidth | | |
| Gain | -3 dBd per bay, stacking increases gain | | |
| Polarisation | Circular \pm 2.2 dB | | |
| Impedance | 50 Ohms | 50 Ohms | 50 Ohms |
| Connector (fitted) | 7/8" EIA | 7/16" DIN female | N-female |
| Maximum power per bay | 5 Kilowatts | 2 Kilowatts | 500 Watts |
| DC grounding | Yes | Yes | Yes |
| Weight per bay | 13.5Kg | 12.5Kg | 5.5Kg |
| Projected area | 0.159m ² | 0.150m ² | 0.096m ² |
| Wind load at 160kph | 19.2Kg, 0.189kN | 19Kg, 0.180kN | 11.6Kg, 0.144kN |
| Dimensions | 1.5m x 50mm | 1.5m x 50mm | 1.5m x 25mm (square boom) |
| Mounting hardware | 1 x Y2300- SS (supplied) | | 1 x S48 (supplied) |
| Mounting options (enquire for details) | Stack arrays with branch feeder cables and power dividers, rear screens or radial bars | | |
| Warranty | 2 Years | 2 Years | 2 Years |

