



DS038461-3  
4/9/2026

## 4-stack dipole array TETRA 380 - 430 MHz



### Description

- The Antenna is a 4 four-stack dipole array, designed for improved performance in multi-channel communication systems such as TETRA.
- High quality materials and manufacturing techniques are employed throughout to ensure that the antenna meets strict intermodulation requirements of multichannel system.
- The antenna is supplied as standard with a 5-meter transmission line tail terminated with a 7/16 connector.
- This model has a strong boom to cope with very high wind speeds.
- Antenna provides a directional radiation pattern, with various electrical down-tilt options available.
- PIM tested.

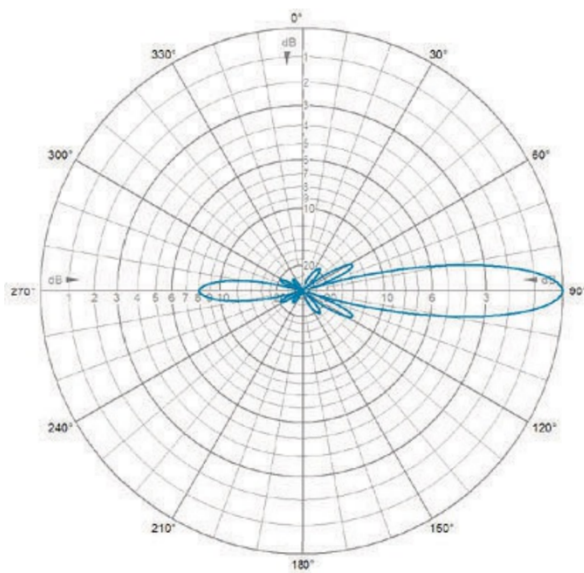
### Specifications

Electrical	
Model	See model ordering information table below
Antenna Type	4 four-stack dipole array
Frequency Range of operation	380-430 MHz
Max. Input Power	500 W
Peak Instantaneous Power (PIP)	25 kW
Polarization	Vertical
3 dB Beamwidth, E-Plane	21° ±1°
3 dB Beamwidth, H-Plane	160° ±3°
Impedance	50 Ω
Gain	8.7 dBd (10.9 dBi)
VSWR	< 1.5:1
Front-To-Back Ratio	> 7 dB
Passive Intermodulation	-143 dBc (3rd Order, 2 x Tx @ 43 dBm)
Lightning Protection	Lightning current handling capability: 200 kA According to EN 62305-1 (Test pulse 10/350 μs)
Antistatic Protection	Protection All metal parts DC-grounded (Connector shows a DC-short)

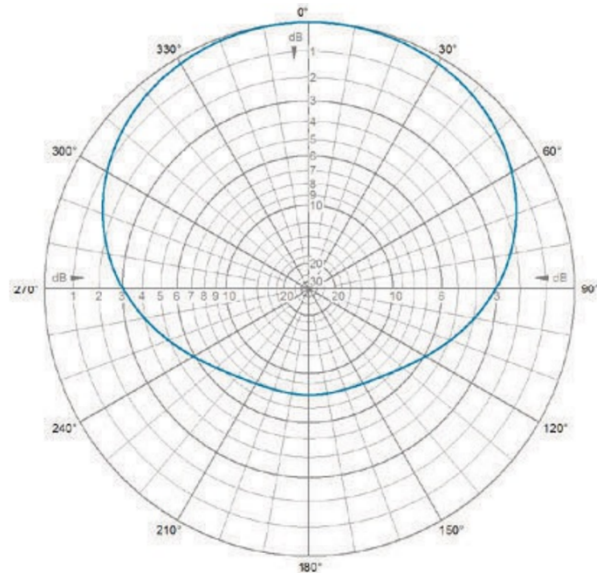


Mechanical	
Connection(s)	7/16(f) on 5m RG214/U cable
Materials	Antenna elements: Aluminum 6063T6 (12.7 mm dia.) Antenna boom: Aluminum 6082T6 (38.1 mm dia.) Fasteners: Stainless steel A2
Length	Approx. 2600 mm / 102.36 in.
Wind Load	232 N (160 km/h)
Weight	Approx. 6 kg / 13.23 lb.
Mounting	Galvanized steel parallel bracket and hardware (Ordered separately) See Accessories Listed Below
Environmental	
Survival Wind Speed	300 km/h
Ingress Protection	IP68

### Radiation Pattern



E-Plane | 405 MHz



H-Plane | 405 MHz

### Model Ordering Information:

Model	Description	Type	Frequency Range
104P-56-9-0-09-D7	4-stack dipole array TETRA	7/16 DIN(f); 0° Electrical Tilt	380-430 MHz
104P-56-9-5-09-D7	4-stack dipole array TETRA	7/16 DIN(f); 5° Electrical Tilt	380-430 MHz
104P-56-9-10-09-D7	4-stack dipole array TETRA	7/16 DIN(f); 10° Electrical Tilt	380-430 MHz
104P-56-9-15-09-D7	4-stack dipole array TETRA	7/16 DIN(f); 15° Electrical Tilt	380-430 MHz
<b>Accessories</b>			
91-00-104-00	Galvanized steel parallel bracket	25 - 60 mm (PAIR)	NA
91-00-104-01	Galvanized steel parallel bracket	38 - 120 mm (PAIR)	NA
91-00-104-02	Extruded Parallel Tube Clamp	50 - 76 mm	NA
91-00-104-03	Cast aluminum cross clamp, square	25-50mm / 50-125mm	NA