

## SLP-1.7:2.5-11

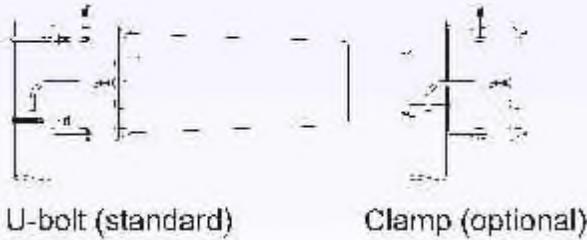
Sirio Log Periodic

## SPH-1.5:6-17

Sirio Planar Horn

**Features:**

- # Base station antenna, Directional,
- # Wide-band, High-gain, no tuning required
- # SLP-1.7:2.5-11: for DCS 1.8, PCS 1.8, DECT, UMTS and W-LAN 2.4 systems
- # SPH-1.5:6-17: for DCS 1.8, PCS 1.8, DECT, UMTS, W-LAN 2.4 & 5.47 and WiMAX 2.3 & 3.3



**WIDE-BAND Directional**

Electrical Data	SLP-1.7:2.5-11	SPH-1.5:6-17
Type	Log Periodic Dipole array	Wide Band PCB antenna
Frequency Range	1.71 - 2.5 GHz @ SWR ≤ 2 (GSM 1.8, PCN, DECT, UMTS, W-LAN 2.4)	1.5-6 GHz @ SWR ≤ 1.8 (GSM 1.8, PCN, DECT, UMTS, W-LAN 2.4 & 5.47, WiMAX 2.3 & 3.3)
Impedance	50 Ω	
Radiation (H-plane) Beamwidth @ -3 dB	58° frequency independent	see diagram
Radiation (E-plane) Beamwidth @ -3 dB	46° frequency independent	see diagram
Radiation angle deg.	0°	
Front to back ratio	≥ 24 dB	≥ 20 dB
Polarization	Linear Vertical	
Gain	11.1 dBi	17 dBi @ 6 GHz
Max Power (CW) @ 30° C	50 Watts	15 Watts @ 1.5-4 GHz, 10 Watts @ 4-6 GHz
Grounding Protection	All metal parts are DC-grounded, the inner conductor shows a DC-short	All metal parts are DC-grounded, the inner conductor show an open circuit
Connector	SMA-female panel	

Mechanical Data	SLP-1.7:2.5-11		SPH-1.5:6-17	
Housing & Radome Material	Brass, Aluminium, White ABS UV stabilized		PCB, Aluminium, White ABS UV stabilized	
Bracket & Hardware Material	Galvanized Steel			
Wind Load / Resistance	61 N @ 150 Km/h / 180 Km/h			
Wind Surface	0.04 m <sup>2</sup>			
Dimensions (approx.)	345 x 135 x 73 mm			
Turning radius (approx.)	310 mm			
Weight (approx.)	-40 °C to +80 °C			
Operating Temperature	400 gr		450 gr	
Installation type	Mast: Ø 25-42 mm with U-bolt;		Clamp: Ø 25-70 mm (optional);	
	Wall: with mounting screws (not included)			
P/N	2130103.00		2130003.00	

