

Product Specifications

Rosenberger

S-Wave 55-10-22D-SMA

DUAL POLARIZATION DIRECTIONAL ANTENNA



Main Features

- Low weight and low profile
- High reliability
- Simple installation

Electrical Specifications

Frequency	4900-5150 MHz	5150-6100MHz
Gain Port V	21.0±1.0 dBi	22.5±0.5 dBi
Gain Port H	21.5±1.0 dBi	23.0±1.0 dBi
VSWR	1.5 : 1 (typ), 2.0:1 (max)	
Polarization	Dual Linear (Vertical and Horizontal)	
Horizontal Half Power Beamwidth	10° (typ)	
Vertical Half Power Beamwidth	10° (typ)	
Side lobes level	ESTI EN 302 326-3 V1.1.2 DN3	
Cross Polarization	ESTI EN 302 326-3 V1.1.2 DN3	
Front-to-back ratio	30 dB	
Isolation, Between ports	25 dB	
Impedance	50 Ω	
Power Handling	6 W	

Environmental Specifications

Operating temperature range	-40°C to +65°C
Storage temperature range	-55°C to +70°C

Mechanical Specifications

Input	2 x SMA R/A Female
Lightning Protection	DC Ground
Dimensions	305 x 305x 15 mm
Weight	1.2 kg
Maximum Wind Velocity	200 km/h
Reflector Material	Aluminum
Radome Material	PP

**Rosenberger Asia Pacific
Electronic Co., Ltd.**

No.3, Anxiang Street, Block B,
Tianzhu Airport Industrial Zone,

TEL: (8610)80481995

FAX: (8610)80497052

E-mail: info@rosenbergerap.com

Internet: www.rosenbergerap.com

罗森伯格亚太电子有限公司

北京市天竺空港工业区B区

安祥街3号

邮编 101300

电话 : (8610) 8048 1995

传真 : (8610) 8049 7052

网址 : www.rosenbergerap.com

电子邮箱 info@rosenbergerap.com

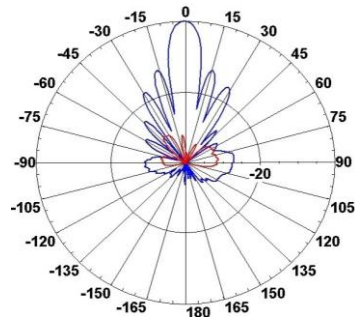
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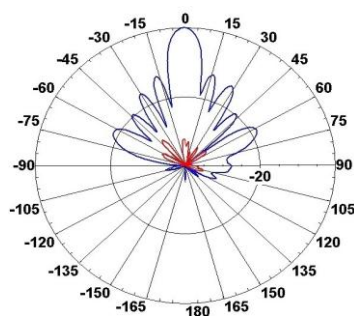
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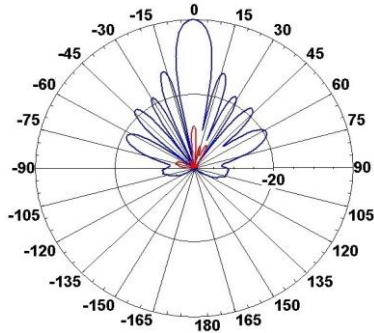
Patterns



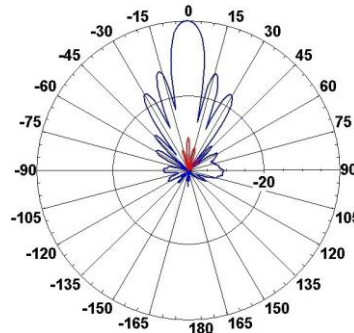
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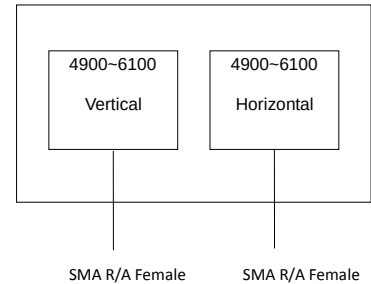
H_EL_PLANE



E_AZ_PLANE



E_EL_PLANE



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