



ACTIVE RADAR REFLECTORS WITH FIXED R.C.S.

Specifications

Maximum Frequency range	1 to 18 GHz
Gain	55 dB minimum
DC power supply	9/18 V or 18/36 V
	900 mA
Working temperature	0 to +50 °C
Dimensions	100 x 66mm h=65mm
Weight	0.4kg

Amplifier unit with fixed gain in 1/18GHz range

References

References	Frequencies
LUNA108-55	1 to 8 GHz
LUNA818-55	8 to 18 GHz
LUNA412-55	4 to 12 GHz
LUNA118-55	1 to 18 GHz

Measurements

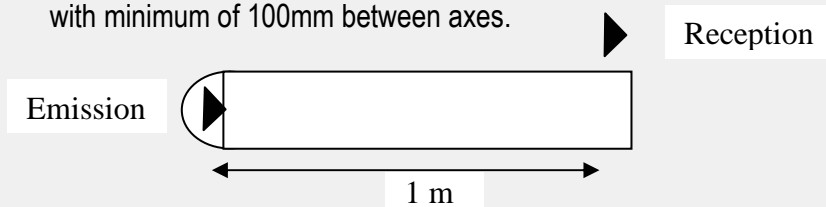
Each unit is delivered with its own gain pattern on the working frequency range.

Options

- Supply of circular polarization wide band antennas with +/-80° of aperture
- Supply of rectilinear polarization narrow band antennas with +/-70° of aperture
- Supply of antennas to specification (rectilinear or circular polarization)
- Supply of cables (length upon request)

Usage Precautions

- In order to avoid coupling, the antennas must be at least 1 m apart with minimum of 100mm between axes.



Examples of RCS in circular polarization

Frequency (GHz)	R.C.S. for Gain = 55 dB
3	251 m <sup>2</sup>
5	90 m <sup>2</sup>
9	28 m <sup>2</sup>
14	12 m <sup>2</sup>
16	9 m <sup>2</sup>

