## Uun'tech

## ACTIVE RADAR REFLECTORS WITH ADJUSTABLE R.C.S.: LUNA207V-65 / LUNA207V-70 / LUNA207V-80

Specifications	Frequency range	2 to 7 GHz	Amplifier unit with
	Gain	65, 70 or 80 dB max	adjustable gain in L
	Digital attenuator on 8 bits	0 to 32 dB by step of	and C bands,
		0.125 dB	allowing modification
	DC power supply	9/36 V	of resulting R.C.S.
		1.3 A	value.
	Working temperature	0 to +50°C	_
	Dimensions	129 x 110mm	
		h=62mm	
	The gain will be adjustable with t requested R.C.S.	the attenuator command,	in order to obtain the
Measurements	Each unit is delivered with 2 gain	n patterns for attenuator a	djusted to 0 and 20dB.
Options	Supply of circular polarization wide band antennas		
	with +/-80° of aperture		
	Supply of rectilinear polarization narrow band antennas		
	with +/-70° of aperture		
	<ul> <li>Supply of antennas to specification (rectilinear or circular polarization)</li> <li>Supply of cables (length upon request)</li> </ul>		
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Usage precautions	In order to avoid coupling, the antennas must be at least 1 m apart with minimum of 100mm between axes.		
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			Reception
	Emission		]
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	Max gain = 65 dB		
Examples of			
Examples of R.C.S. in circular	· · · · · · · · · · · · · · · · · · ·	Min R.C.S.	Max R.C.S.
	Frequency (GHz) 3	Min R.C.S. 1.6 m <sup>2</sup>	Max R.C.S. 2516 m²
R.C.S. in circular	Frequency (GHz)		
R.C.S. in circular	Frequency (GHz) 3 5	1.6 m <sup>2</sup>	2516 m <sup>2</sup>
R.C.S. in circular	Frequency (GHz) 3 5 Max gain = 70 dB	1.6 m <sup>2</sup> 0.6 m <sup>2</sup>	2516 m <sup>2</sup> 905 m <sup>2</sup>
R.C.S. in circular	Frequency (GHz) 3 5 Max gain = 70 dB Frequency (GHz)	1.6 m <sup>2</sup> 0.6 m <sup>2</sup>	2516 m <sup>2</sup>
R.C.S. in circular	Frequency (GHz) 3 5 Max gain = 70 dB	1.6 m²           0.6 m²           Min R.C.S.	2516 m <sup>2</sup> 905 m <sup>2</sup> Max R.C.S.
R.C.S. in circular	Frequency (GHz) 3 5 Max gain = 70 dB Frequency (GHz) 3 5	1.6 m²           0.6 m²           Min R.C.S.           5 m²	2516 m <sup>2</sup> 905 m <sup>2</sup> Max R.C.S. 7957 m <sup>2</sup>
R.C.S. in circular	Frequency (GHz)35Max gain = 70 dBFrequency (GHz)35Max gain = 80 dB	1.6 m²           0.6 m²           Min R.C.S.           5 m²           1.8 m²	2516 m <sup>2</sup> 905 m <sup>2</sup> Max R.C.S. 7957 m <sup>2</sup> 2865 m <sup>2</sup>
R.C.S. in circular	Frequency (GHz) 3 5 Max gain = 70 dB Frequency (GHz) 3 5	1.6 m²           0.6 m²           Min R.C.S.           5 m²           1.8 m²	2516 m <sup>2</sup> 905 m <sup>2</sup> Max R.C.S. 7957 m <sup>2</sup>

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