

Luneberg reflectors monostatic rectilinear polarization
(see Technical Data Sheet F7.2-11)

Type	Guaranteed minimum Radar Cross Section (sqm) *	Frequency of measurement	Kind of response	Ø of reflector without fixing inch cm	Weight (kg) without fixing	Polarization	
SMR07	0.6 at 0° 0.4 ± 50°	3.3 GHz	monostatic	7.0 18	1.3	rectilinear	
XMR03	0.2 at 0° 0.15 ± 40°	9.375 GHz		3.0 8	0.12		
XMR04	0.55 at 0° 0.4 ± 40°			4.0 10	0.27		
XMR05	1.2 at 0° 0.9 ± 50°			4.9 12	0.45		
XMR06	2.5 at 0° 1.9 ± 50°			6.0 15	0.8		
XMR06.5	4 at 0° 3 ± 50°			6.5 16	1.2		
XMR07	5.5 at 0° 4 ± 50°			7.0 18	1.3		
XMR08.5	9 at 0° 8 ± 50°			8.5 22	2.5		
XMR09	15 at 0° 12 ± 50°			9.2 23	2.9		
XMR10	19 at 0° 16 ± 50°			10.0 25	3.8		
XMR12.5	45 at 0° 35 ± 50°			12.5 32	7.4		
XMR18	100 at 0° 50 ± 50°			17.5 44	20		
XMR24	250 at 0° 200 ± 50°			24.0 61	50		
KMR08.5	12 at 0° 10 ± 50°			14 GHz	8.5 22		2.5
KMR09	15 at 0° 12 ± 50°				9.2 23		2.9

* RCS values are guaranteed for lenses without fixing

Luneberg reflectors bistatic rectilinear polarization
(see Technical Data Sheet F7.2-13)

Type	Guaranteed minimum Radar Cross Section (sqm) *	Frequency of measurement	Kind of response	Ø of reflector without fixing inch cm	Weight (kg) without fixing	Polarization
XBR03	0.1 at 0° 0.05 at 10° of bist	9.375 GHz	bistatic	3.0 8	0.12	rectilinear
XBR04	0.4 at 0° 0.2 at 10° of bist			4.0 10	0.27	
XBR05	1 at 0° 0.4 at 10° of bist			4.9 12	0.45	
XBR07	2.2 at 0° 0.7 at 10° of bist			7.0 18	1.3	
XBR08.5	6 at 0° 1 at 10° of bist			8.5 22	2.5	
XBR09	6 at 0° 1 at 10° of bist			9.2 23	2.9	
XBR10	9 at 0°			10.0 25	3.8	
	2 at 10° of bist					

* RCS values are guaranteed for lenses without fixing



STANDARD RADAR REFLECTORS LIST

F7.2-5-S

Luneberg reflectors monostatic equatorial rectilinear polarization (see Technical Data Sheet F7.2-15)

New

New

Type	Guaranteed minimum Radar Cross Section (sqm) *	Frequency of measurement	Kind of response	Ø of reflector without fixing		Weight (kg) without fixing	Polarization
				inch	cm		
XER06	0.5 equatorial plan 0.25 ± 15°	9.375 GHz	monostatic	6.0	15	0.8	rectilinear
XER07	1 equatorial plan 0.3 ± 15°		equatorial	7.0	18	1.3	
XER10	6 equatorial plan 2 ± 15°			10.0	25	3.8	
XER12.5	11 equatorial plan 8 ± 15°			12.5	32	7.4	

* RCS values are guaranteed for lenses without fixing

Luneberg reflectors monostatic equatorial circular polarization (see Technical Data Sheet F7.2-39)

New

XEC09	2 equatorial plan 1 ± 15°	9.375 GHz	monostatic equatorial	9.2	23	2.9	circular
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* RCS values are guaranteed for lenses without fixing

Luneberg reflectors monostatic circular polarization (see Technical Data Sheet F7.2-17)

Type	Guaranteed minimum Radar Cross Section (sqm) *	Frequency of measurement	Kind of response	Ø of reflector without fixing		Weight (kg) without fixing	Polarization
				inch	cm		
XMC09	6 at 0° 4 ± 50°	9,375 GHz	monostatic	9,2	23	2,9	circular
KMC07	6 at 0° 5 ± 50°	15,54 GHz		7,0	18	1,3	
KMC08.5	10 at 0° 6 ± 50°	16,5 GHz		8,5	22	2,5	
KMC09	11 at 0° 7 ± 50°	16,5 GHz		9,2	23	2,9	

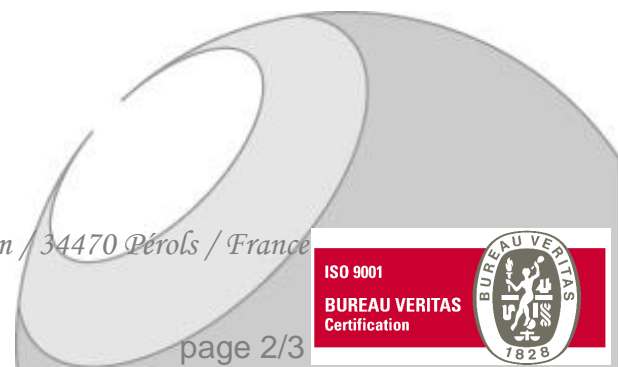
* RCS values are guaranteed for lenses without fixing

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*Assemblies of monostatic rectilinear polarization Luneberg reflectors
(see Technical Data Sheet F7.2-35)*

Reference	Minimum Radar Cross Section guaranteed (sqm)	Frequency of measurement	Kind of response	Ø of each reflector inch cm	Overall dimensions (cm)	Total weight (kg)	Polarization
B6XMR05	0,8sqm over 75% of coverage over 360°	9,375 GHz	monostatic	4,9 12	Ø 65 h 20	8	rectilinear
B5XMR07	4sqm over 75% of coverage over 360°			7,0 18	Ø 75 h 24	12	
B4XMR08.5	8sqm over 75% of coverage over 360°			8,5 22	Ø 84 h 27	15	
B3XMR18	80sqm over 75% of coverage over 360°			17,5 44	Ø 106 h 73	80	

