

Microwave Communication Parabolic Antenna

High Performance With Single Polarization



Features

- A range of high performance microwave parabolic antennas.
- Single polarized feed system.
- Field selectable polarization.
- Complete with vertical pole mounting kit, ready for installation at site.
- Supplied with Radome fitted.



Technical Specifications

Frequency	Diameter (m)	Model Number	VSWR (typ.)	Gain (dBi)			Beamwidth (Deg)	Front to back ratio F/B (dB)	Cross-Pol. Disc (dB)
				Min.	Mid.	Max.			
7WGHz (7.125 - 8.50)	0.6	ML-PG0607WSC3	1.3	30.4	31.1	31.9	4.71	52	30
	0.9	ML-PG0907WSC3	1.3	33.9	34.6	35.4	3	56	
	1.2	ML-PG1207WSC3	1.3	36.4	37.1	37.9	2.3	58	
	1.8	ML-PG1807WSC3	1.3	39.9	40.6	41.4	1.58	62	

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				Min.	Mid.	Max.			
11GHz (10.70 - 11.70)	0.6	ML-PG06107SC3	1.3	33.9	34.3	34.7	3.1	55	30
	0.9	ML-PG09107SC3	1.3	37.4	37.8	38.2	2.1	59	
	1.2	ML-PG12107SC3	1.3	39.9	40.3	40.7	1.6	61	
	1.8	ML-PG18107SC3	1.3	43.4	43.8	44.2	1.1	65	

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				Min.	Mid.	Max.			
13GHz (12.75 - 13.25)	0.3	ML-PG03127SC3	1.3	29.5	29.6	29.8	5.4	50	30
	0.6	ML-PG06127SC3	1.3	35.5	35.6	35.8	2.7	56	
	0.9	ML-PG09127SC3	1.3	38.9	39	39.2	1.8	60	
	1.2	ML-PG12127SC3	1.3	41.5	41.6	41.8	1.3	62	
	1.8	ML-PG18127SC3	1.3	44.9	45	45.2	0.9	66	

Frequency	Diameter (m)	Model Number	VSWR (typ.)	Gain (dBi)			Beamwidth (Deg)	Front to back ratio F/B (dB)	Cross-Pol. Disc (dB)
				Min.	Mid.	Max.			
15GHz (14.40 - 15.35)	0.3	ML-PG03144SC3	1.3	30.5	30.8	31.1	4.72	52	30
	0.6	ML-PG06144SC3	1.3	36.5	36.8	37.1	2.42	58	
	0.9	ML-PG09144SC3	1.3	40.1	40.3	40.6	1.6	61	
	1.2	ML-PG12144SC3	1.3	42.5	42.8	43.1	1.22	64	
	1.8	ML-PG18144SC3	1.3	46.1	46.3	46.6	0.82	67	

Frequency	Diameter (m)	Model Number	VSWR (typ.)	Gain (dBi)			Beamwidth (Deg)	Front to back ratio F/B (dB)	Cross-Pol. Disc (dB)
				Min.	Mid.	Max.			
18GHz (17.70 - 19.70)	0.3	ML-PG03177SC3	1.3	32.3	32.8	33.2	3.74	54	30
	0.6	ML-PG06177SC3	1.3	38.3	38.8	39.2	1.87	60	
	0.9	ML-PG09177SC3	1.3	41.6	42.1	42.6	1.2	63	
	1.2	ML-PG12177SC3	1.3	44.3	44.8	45.2	0.93	66	
	1.8	ML-PG18177SC3	1.3	47.5	48	48.5	0.7	69	

Frequency	Diameter (m)	Model Number	VSWR (typ.)	Gain (dBi)			Beamwidth (Deg)	Front to back ratio F/B (dB)	Cross-Pol. Disc (dB)
				Min.	Mid.	Max.			
23GHz (21.20 - 23.60)	0.3	ML-PG03212SC3	1.3	33.9	34.4	34.8	3.13	55	30
	0.6	ML-PG06212SC3	1.3	39.9	40.4	40.8	1.56	61	
	0.9	ML-PG09212SC3	1.3	43.1	43.6	44.1	1	65	
	1.2	ML-PG12212SC3	1.3	45.9	46.4	46.8	0.78	67	

03-9243358 :פקס ▪ 03-9243352 :טל ▪ 7042 פ"ת, ת.ד. 14, אודם 14

www.hypertech.co.il ▪ sales@hypertech.co.il



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Mechanical Specifications

Dia (m)	Alignment Adjustment (deg)				Diameter of mounting pipe(mm)	Weight (kg)	Packing Material	Packing (mm) H x W x D
	Elevation		Azimuth					
	Coarse	Fine	Coarse	Fine				
0.3	± 25	± 15	± 360	± 15	48 - 114	12	Carton	600×405×460
0.6	± 25	± 15	± 360	± 15	76 - 114	15	Wooden	738×738×714 (7G)
							Carton	710×710×660 (7G)
							Wooden	738×738×654 (11G-23G)
							Carton	710×710×590 (11G-23G)
0.9	/	± 15	± 360	± 15	90 - 114	35	Wooden	1220×1090×570
1.2	/	± 10	± 360	± 10	114	54		1400×1350×530
1.8	/	± 5	± 360	± 5		124		2312×2160×702

Dia (m)	Wind Load		Ice Load	Operation Temperature (deg)	Waveguide Flange
	Operation	Survival			
0.3	30 m/s @ Horizontal misalignment < 0.1 deg	55 m/s	25 mm on all external surfaces	-40 to +70	7G:1.025"dia 11G/13G:153IEC-R120 15G:153IEC-R140 18G/23G:153IEC-R220
0.6					
0.9					
1.2					
1.8					

רח' אודם 14, ת.ד. 7042 פ"ת ▪ טל: 03-9243352 ▪ פקס: 03-9243358
www.hypertech.co.il ▪ sales@hypertech.co.il

