

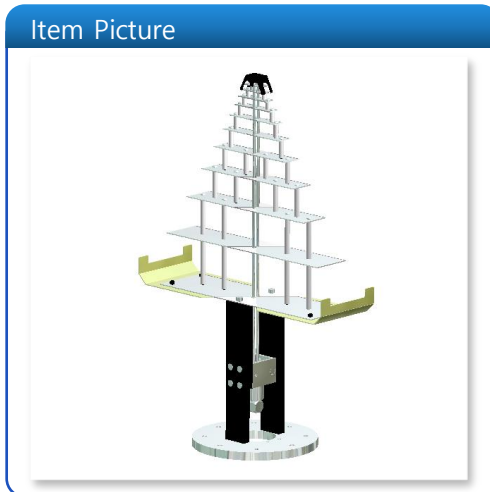
# Log Periodic Dipole Antenna

Frequency Range : 300 ~ 3000MHz

Part No. **LPDA-033-001**

## ■ Features

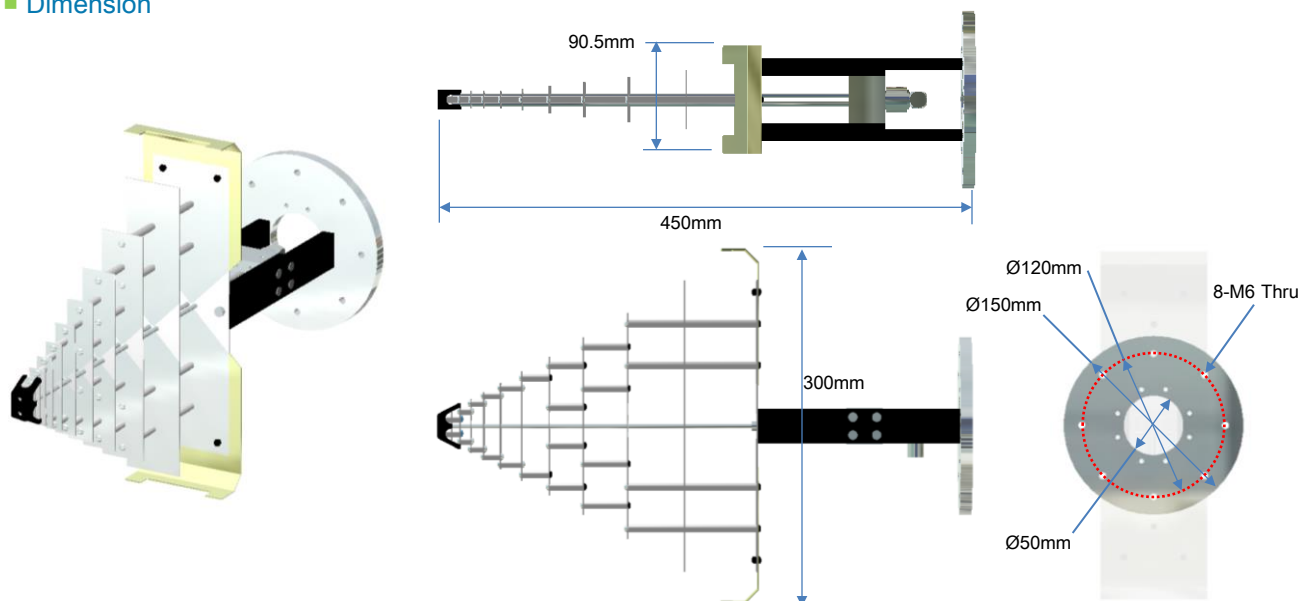
- Antenna Gain : 1.4 dBi~6.7dBi
- V.S.W.R.: ≤ 3.0 Max.
- Polarization: Linear
- Dimensions: 300 X 150 X 450mm(W X L X H)
- Weight : 1.0kg
- Port : N Type Female



## ■ Electrical/Physical Characteristics

Category		Item	Specification	Unit	Conditions
Antenna	Electrical	Frequency	300 ~ 3000	MHz typ.	
		Bandwidth	2700	MHz typ.	
		Gain	1.4 ~ 6.7	dBi typ.	
		Impedance	50	Ω	
		Polarization	Linear		
		V.S.W.R.	≤ 3		
	Physical	Port	N Female	Type	
		Dimension	300 X 150 X 450	mm	
		Placement	Solder		

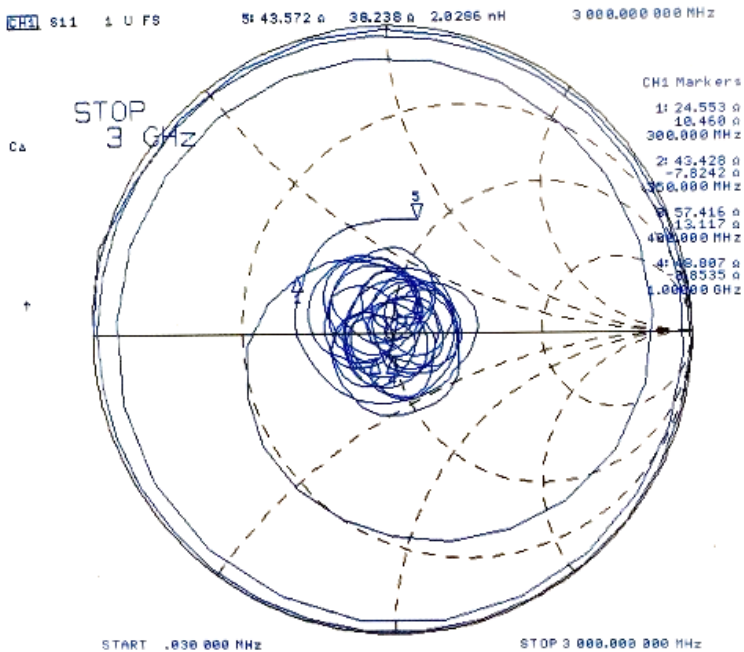
## ■ Dimension



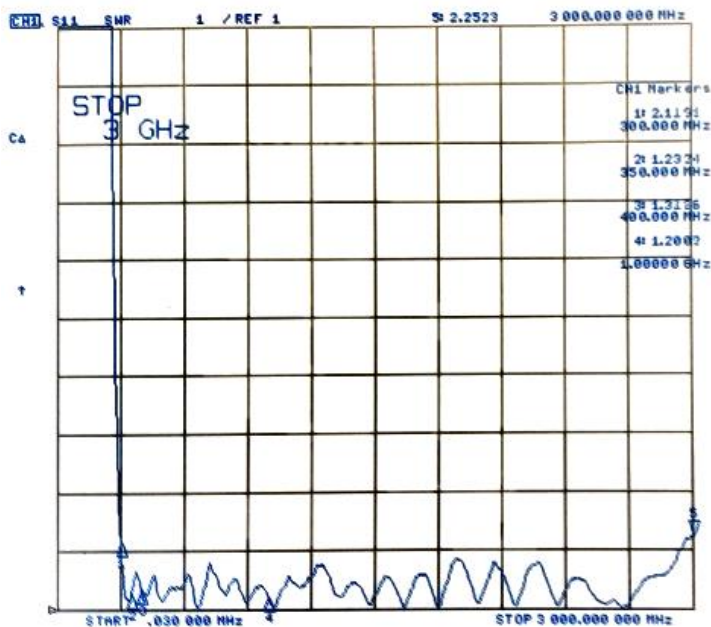
Part No. **LPDA-033-001**

Typical Passive Performance Curves

Smith-Chart



V.S.W.R.



# Log Periodic Dipole Antenna

Frequency Range : 300 ~ 3000MHz

Part No. **LPDA-033-001**

## Gain Chart

Frequency	Wavelength	Gain		Frequency	Wavelength	Gain	
		(Isotropic)	( Dipole )			(Isotropic)	( Dipole )
MHz	mm	d B i	d B d	MHz	mm	d B i	d B d
300	1000	1.41	-0.74	1650	182	6.35	4.20
350	857	3.46	1.31	1700	176	6.12	3.97
400	750	4.37	2.22	1750	171	6.12	3.97
450	667	5.45	3.30	1800	167	6.27	4.12
500	600	6.19	4.04	1850	162	6.47	4.32
550	545	6.40	4.25	1900	158	6.61	4.46
600	500	6.30	4.15	1950	154	6.67	4.52
650	462	6.15	4.00	2000	150	6.67	4.52
700	429	6.48	4.33	2050	146	6.64	4.49
750	400	6.55	4.40	2100	143	6.55	4.40
800	375	6.31	4.16	2150	140	6.37	4.22
850	353	6.33	4.18	2200	136	6.33	4.18
900	333	6.29	4.14	2250	133	6.29	4.14
950	316	6.17	4.02	2300	130	6.35	4.20
1000	300	6.15	4.00	2350	128	6.34	4.19
1050	286	6.16	4.01	2400	125	6.44	4.29
1100	273	6.24	4.09	2450	122	6.58	4.43
1150	261	6.42	4.27	2500	120	6.63	4.48
1200	250	6.58	4.43	2550	118	6.64	4.49
1250	240	6.45	4.30	2600	115	6.50	4.35
1300	231	6.18	4.03	2650	113	6.34	4.19
1350	222	6.34	4.19	2700	111	6.08	3.93
1400	214	6.42	4.27	2750	109	5.84	3.69
1450	207	6.58	4.43	2800	107	5.57	3.42
1500	200	6.66	4.51	2850	105	5.42	3.27
1550	194	6.72	4.57	2900	103	5.31	3.16
1600	188	6.60	4.45	2950	102	5.32	3.17
* Reference Point : Center of Antenna (Aperture Front)				3000	100	5.42	3.27

Gain / dBi

## Gain Chart

