



Lens Horn Antenna - E Band Series 810 / 820 / 850 / 880

Features

- 71 GHz to 86 GHz
- High radiation efficiency (20% smaller aperture than equivalent parabolic antenna)
- Superior sidelobe and crosspolar performance
- High gain - options from 25 - 48 dBI
- Weatherproofing on 820 / 850 / 880
- Mounting options available
- Low wind loading
- Inherently robust



Flann's range of Lens Horn Antennas have many significant microwave and mechanical advantages over parabolic or printed antennas, particularly at millimeter wave frequencies such as E-Band.

Model: 26810 QA UG387/U

Standard flange designs are available but custom interconnections have been developed to interface directly with a customer's radio/hardware.

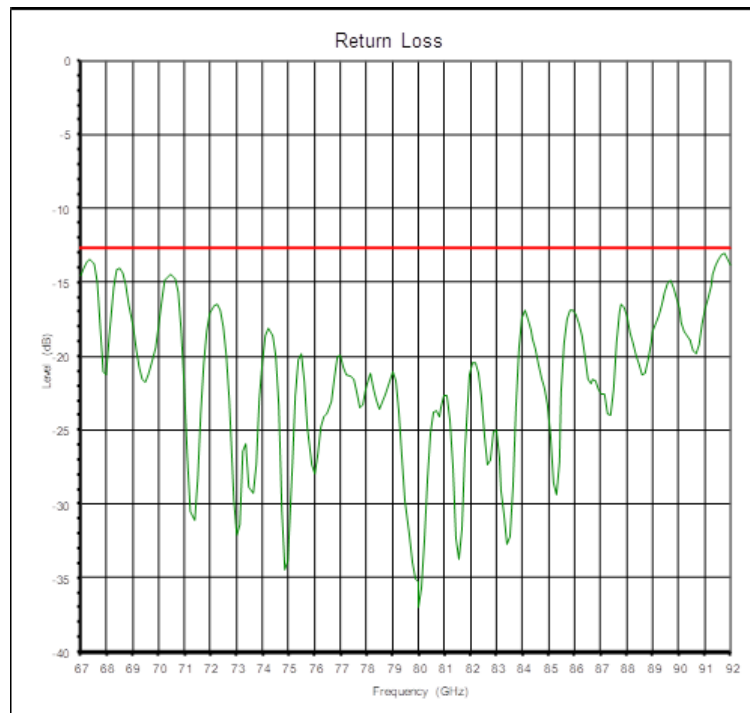
Related Products

Series 286 V and E-band Waveguide Diplexers

Custom Design

Custom built instruments can be supplied; please contact the sales team for more information.

Typical Return Loss for Model 26810-QA 50mm Diameter Antenna



Ordering

Please specify the following:

WG Designation	Series	-	Lens Diameter	Variant
26	810 820 850 880		C Q T W L Y F M P G X	Internal Use Only

Example: 26850-PA UG-387/U. A WG26, Series 850, 250mm Lens Horn Antenna with UG-387-U



FLANN MICROWAVE

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Microwave Specifications

Series	Typical VSWR (max)
810	1.50
820	1.50
850	1.37
880	1.25

Diameter Suffix	Nominal Lens Diameter (mm)	Nominal Mid Band Gain (dBi)	Nominal 3dB Beamwidth		Cross Polar Min (db)	Front/Back Ratio (dB)
			E (degree)	H (degree)		
C	30	25	9.80	11.40	40	>65
Q	50	31	5.00	6.00		
T	100	34	3.50	4.00		
W	125	39	1.90	2.30		
L	130	39	2.20	2.60		
Y	145	39	2.00	2.30		
F	150	40	1.60	1.80		
M	200	45	1.20	1.20		
P	250	45	0.95	1.12		
G	300	48	0.80	0.80		
X	350	48	0.68	0.80		

Relevant Telecommunications Standards

- ETSI EN 302 217-3 VI.3.1 (2009-07)
- ESTI EN 302 217-4-2 VI.4.1 (2008-11)
- FCC 47 C.F.R Part 101, FCC Report 05-45
- TELECOM

OPTIONS

- Narrow band models
- Finish in gloss white or matt black
- Pole or box mounting

FLANN MICROWAVE LTD

Dunmere Road
Bodmin
Cornwall
UK, PL31 2QL

GET IN TOUCH

Tel: +44 (0)1208 77777
sales@flann.com
www.flann.com