

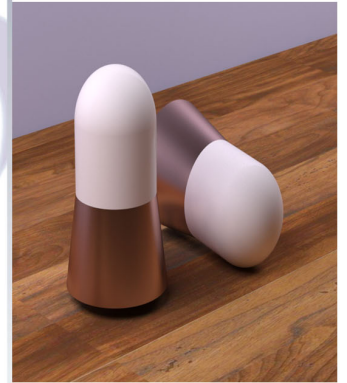
# L- Band Antenna - Artillery Fuze

TECHNICAL DATA SHEET

23-04-1704-01A

## Electrical specifications:

Antenna type	L-Band Antenna - Artillery Fuze
Frequency	1.18-1.21GHz
Gain	3.2dBi
Impedance	50 Ohm
Return Loss	<-10dB
VSWR	≤ 2:1
Half power beam width	120° or more in Azimuthal Plane 90° or more in Elevation Plane
Polarization	Vertical
Beam pattern	Directional
Power handled	>100W



## Mechanical Specifications:

Dimension : 40mmX30mm diameter  
Connector : SMA Female  
Mounting material : Stainless Steel/Aluminum

## Environmental Specifications:

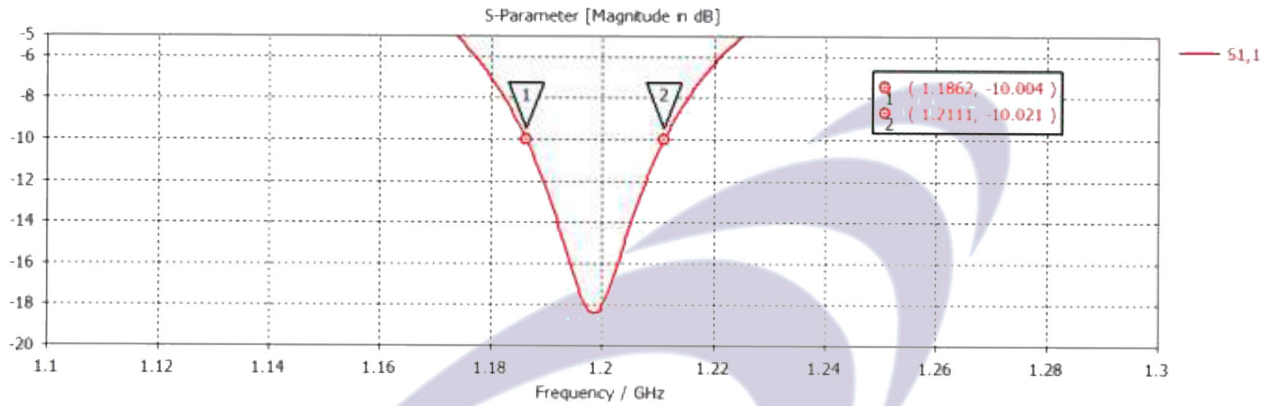
Operation : -30 °C to +85 °C  
Humidity : 0-95%

# L- Band Antenna - Artillery Fuze

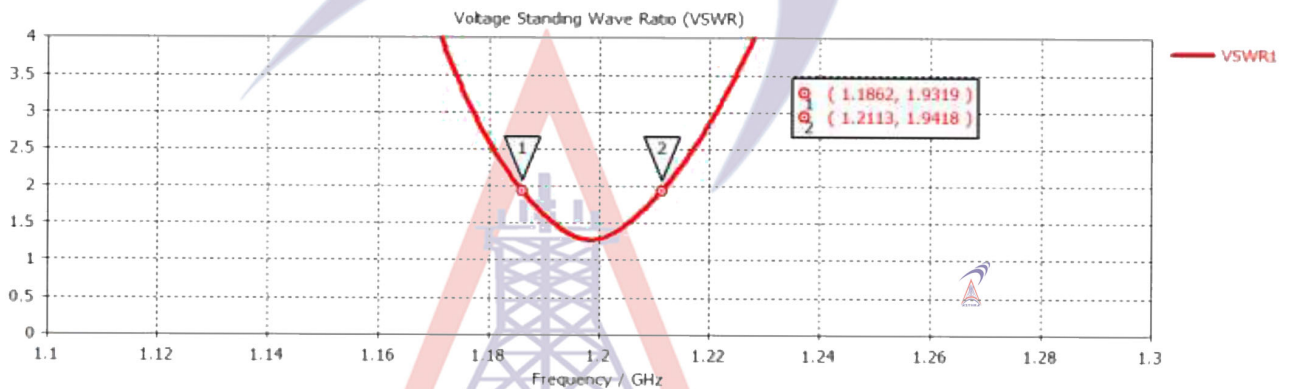
TECHNICAL DATA SHEET

23-04-1704-02A

## Return loss:



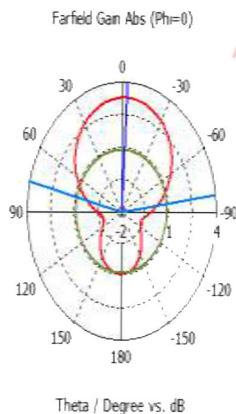
## Vswr:



## Radiation patterns:

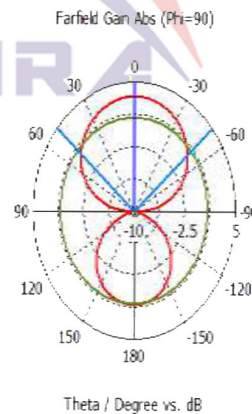
For 1.2GHz:

Azimuthal plane:



Frequency = 1.2  
 Main lobe magnitude = 3.27 dB  
 Main lobe direction = 3.0 deg.  
 Angular width (3 dB) = 158.9 deg.  
 Side lobe level = -2.4 dB

Elevation plane:



Frequency = 1.2  
 Main lobe magnitude = 3.27 dB  
 Main lobe direction = 0.0 deg.  
 Angular width (3 dB) = 99.7 deg.  
 Side lobe level = -2.4 dB

# ASTHRA PROJECTS

#LIG- B329, Near old HMTV, Dr.A.S.Rao Nagar,  
 ECIL Post, Hyderabad-500062. Ph: 040-40264887  
 Mail: info@asthraprojects.com  
 Web: www.asthraprojects.com