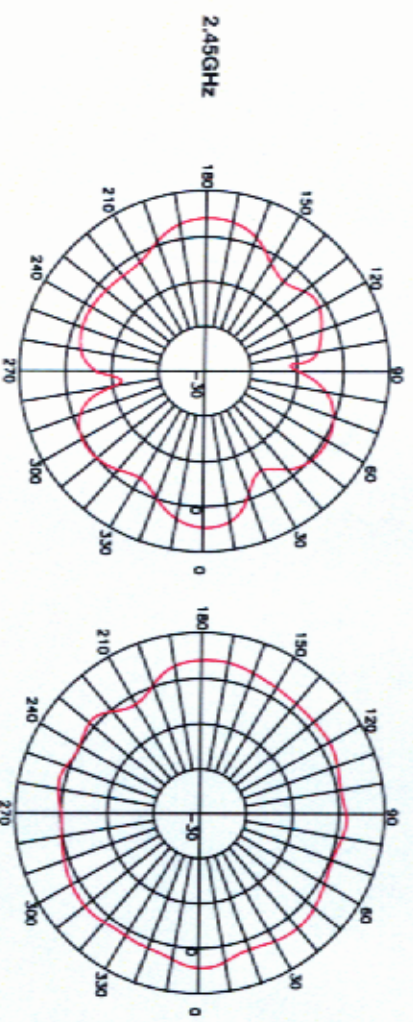


E-Plane Pattern

H-Plane Pattern



Electrical Properties:

- Frequency Range: 2.4~2.5 GHz
- Impedance: 50Ω nominal
- VSWR: <2.0:1
- Gain*: 2.45GHz 4.0 dBi
- 5.25GHz 5.0 dBi
- 5.75GHz 4.5 dBi
- Radiation: Omni
- Polarization: Vertical
- *Gain is measured under no flying lead.

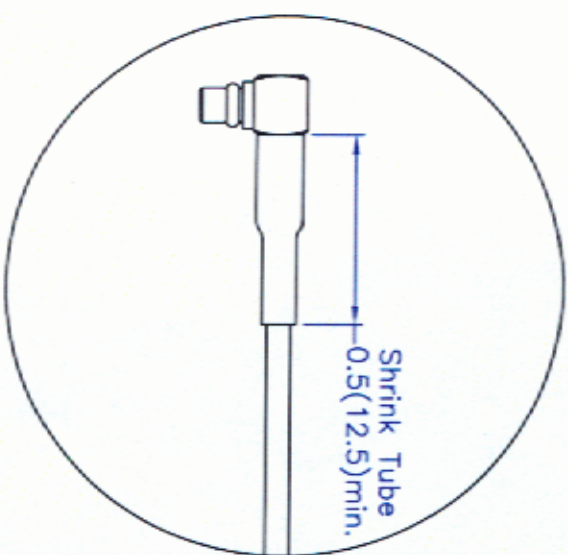
Mechanical Properties:

- Cable: M17/93-RG178; Harbour Industries
- Cable Length: Standard length L=5 inches. or to be specified.
- Connector: R/A MMCX Plug(male); Ne arson 25-03M-TGG
- Material: Overmold: Polyurethane(Black); BASF
- Swivel: Polyurethane(Black); BASF and Polycarbonate(Black); Boyer
- Operation Temp.: -20°C to +65°C
- Storage Temp.: -30°C to +75°C

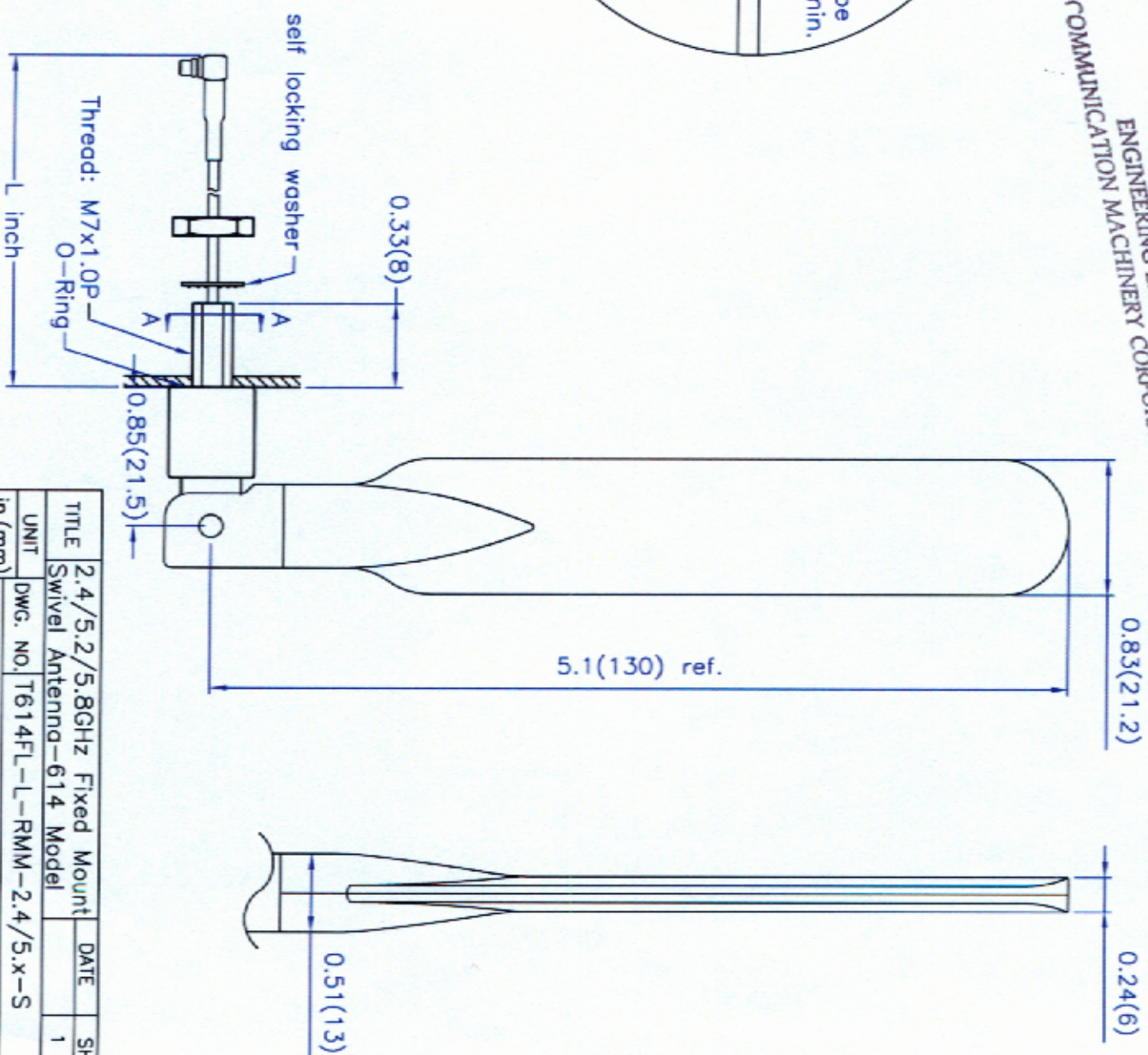
COMMUNICATION ENGINEERING LIBRARY
MACHINERY CORPORATION

TITLE	2.4/5.2/5.8GHz Fixed Mount	DATE	SHEET
UNIT	Swivel Antenna-614 Model		2 of 3
in.(mm)	DWG. NO. T614FL-L-RMM-2.4/5.X-S		
SCALE			
None			

NEARSON



A-A view—Thread cross-section
0.236(6.0)
Double D-cut



TITLE	2.4/5.2/5.8GHz Fixed Mount	DATE		SHEET	
UNIT	Swivel Antenna-614 Model			1 of 3	
SCALE	DWG. NO. T614FL-L-RMM-2.4/5.x-S				
None					

NEARSON

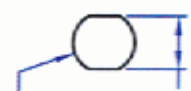
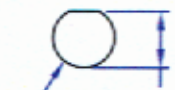
ENGINEERING LIBRARY
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L (inch)	Attenuation (dB)
3"	0.20 dB
4"	0.27 dB
5"	0.33 dB
6"	0.40 dB
8"	0.53 dB
10"	0.66 dB
12"	0.79 dB

Flying Lead Cable Length v.s. Attenuation Table
Standard M17/93-RG178 Cable Measured @ 2.4GHz

L (inch)	Attenuation (dB)
3"	0.26 dB
4"	0.35 dB
5"	0.43 dB
6"	0.52 dB
8"	0.70 dB
10"	0.87 dB
12"	1.04 dB

Flying Lead Cable Length v.s. Attenuation Table
Standard M17/93-RG178 Cable Measured @ 5.0GHz

 $\phi 7.0^{+0.1}_{-0.0}$ mm round	 $\phi 7.0^{+0.1}_{-0.0}$ mm right D-cut
 $\phi 7.0^{+0.1}_{-0.0}$ mm double D-cut	 $\phi 7.0^{+0.1}_{-0.0}$ mm left D-cut

Recommended Mounting-Hole Dimensions

TITLE	2.4/5.2/5.8GHz Fixed Mount	DATE	SHEET
UNIT	Swivel Antenna-614 Model		3 of 3
in.(mm)	DWG. NO. T614FL-L-RMM-2.4/5.X-S		
SCALE			
None			

NEARSON