



ZSL7182 Series

Radome enclosed UHF DTV horizontal slot antenna

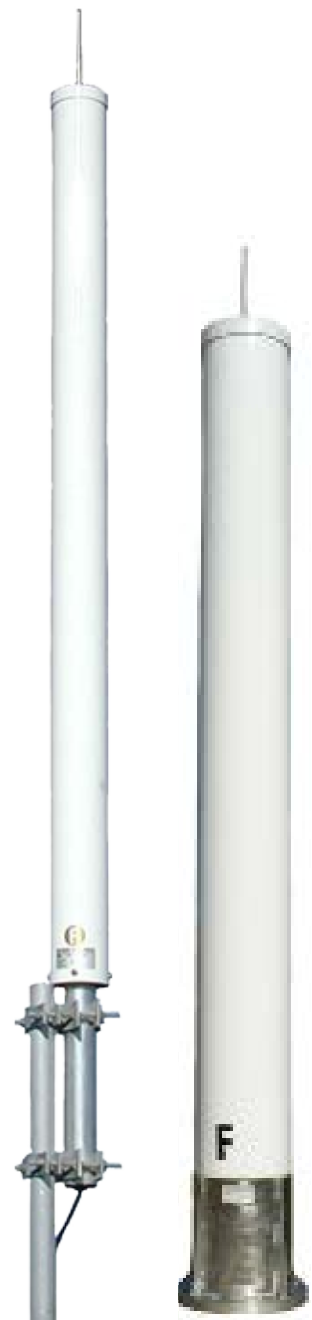
UHF 708-820MHz - Ch 54-69



Featuring a horizontal radiation pattern and high gain, the ZSL-7182 series of slot antennas are designed for 708-820MHz UHF TV broadcast covering channel 54-69. For alternative channels see the previous pages.

Mounting hardware, coaxial feeder cable, connectors and other installation accessories are all available separately.

	ZSL7182-LP	ZSL7182-MP	ZSL7182MP-FM
Construction	White fibreglass radome, aluminium mount section and lightning finial		White fibreglass radome, flange mount base and lightning finial
Frequency range	708-820MHz - Ch 54-69 - Band V (5)		
Bandwidth	Full frequency range stated - 112MHz		
Tuning	Factory		
VSWR	<1.2:1		
Gain	9.5dBd		
Maximum power	200 Watts	2 Kilowatts	3 Kilowatts
Impedance	50 Ohms		
DC grounding	Yes		
Polarisation	Horizontal		
Connector - fitted	N-type female	7/16" DIN female	7/8" EIA flanged
Cable	350mm ZCG1250 bottom exit from mount section		N/A
Height	2.5 metres		2.1 metres
Weight	12.0kg		16.0kg
Radome diameter	131mm		
Mount section diameter	63mm O.D. x 600mm - thick walled aluminium tube		224mm dia. flange plate with 8 x 18mm holes
Projected area	0.197m ²		0.186m ²
Wind load at 160kph	23.86kg, 0.234kN		22.551kg, 0.221kN
Mounting hardware order separate	Parallel: 2 x UAM180L or 2 x UAM180UNI Right-angle: 2 x UAM90L or 2 x UAM90UNI		8 x 18mm bolts
Warranty	2 Years		

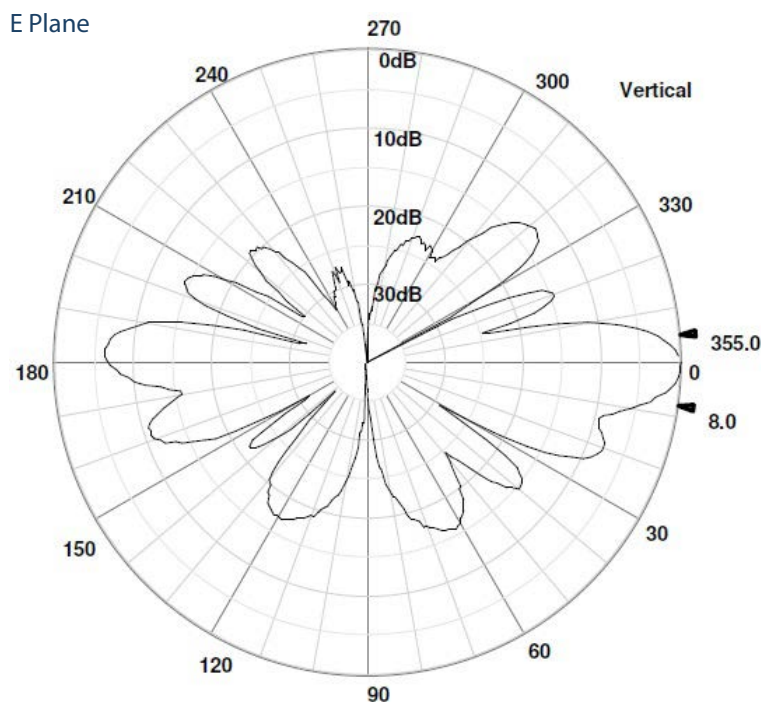
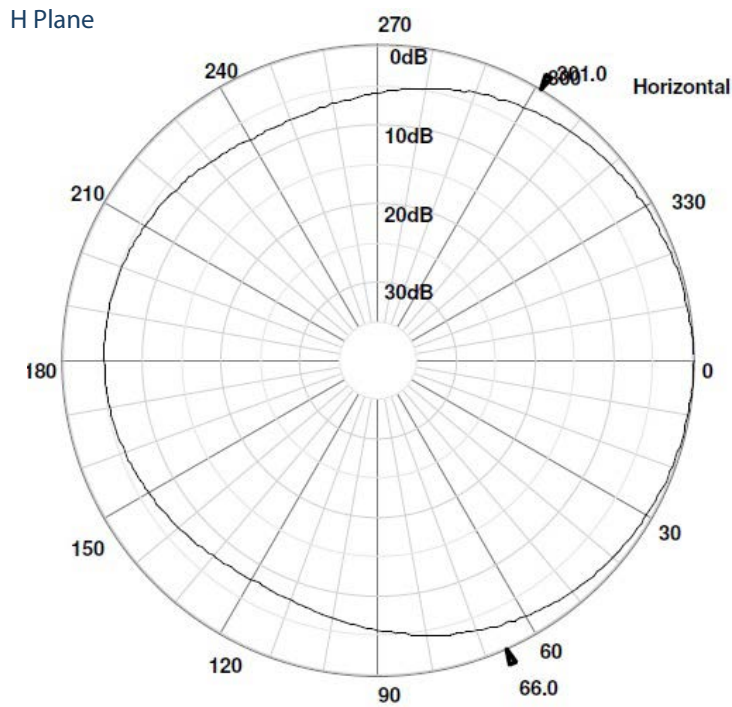




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Suitable feeder coaxial cable and connectors



1/2" corrugated shielding,
foam dielectric coaxial cable
P/N ZCG1250

(also available in super flexible)
Available in per metre, 500m
roll or alternatively request a
custom cable assembly



7/8" corrugated shielding,
foam dielectric coaxial cable
P/N ZCG7850

also available in Air-dielectric
Available in per metre, 500m
roll or alternatively request a
custom cable assembly



1-5/8" corrugated shielding,
foam dielectric coaxial cable
P/N ZCG1580

also available in Air-dielectric
Available in per metre, 500m
roll or alternatively request a
custom cable assembly



N-type male clamp connector
for 1/2" flexible, corrugated
shielded, coaxial cable

P/N NM1250

Tri-metal plated



7/16" DIN male clamp
connector for 1/2" flexible,
corrugated shielded, coaxial
cable

P/N 716DINM1250

Tri-metal plated



7/16" DIN male clamp
connector for 7/8" flexible,
corrugated shielded, coaxial
cable

P/N 716DINM7850

Tri-metal plated



7/8" EIA flange connector
for 7/8" flexible, corrugated
shielded, coaxial cable

P/N 78EIA7850

Chrome plated



7/16" DIN male clamp
connector for 1-5/8" flexible,
corrugated shielded, coaxial
cable

P/N 716DINM1580

Tri-metal plated



7/8" EIA flange connector for
1-5/8" flexible, corrugated
shielded, coaxial cable

P/N 78EIA1580

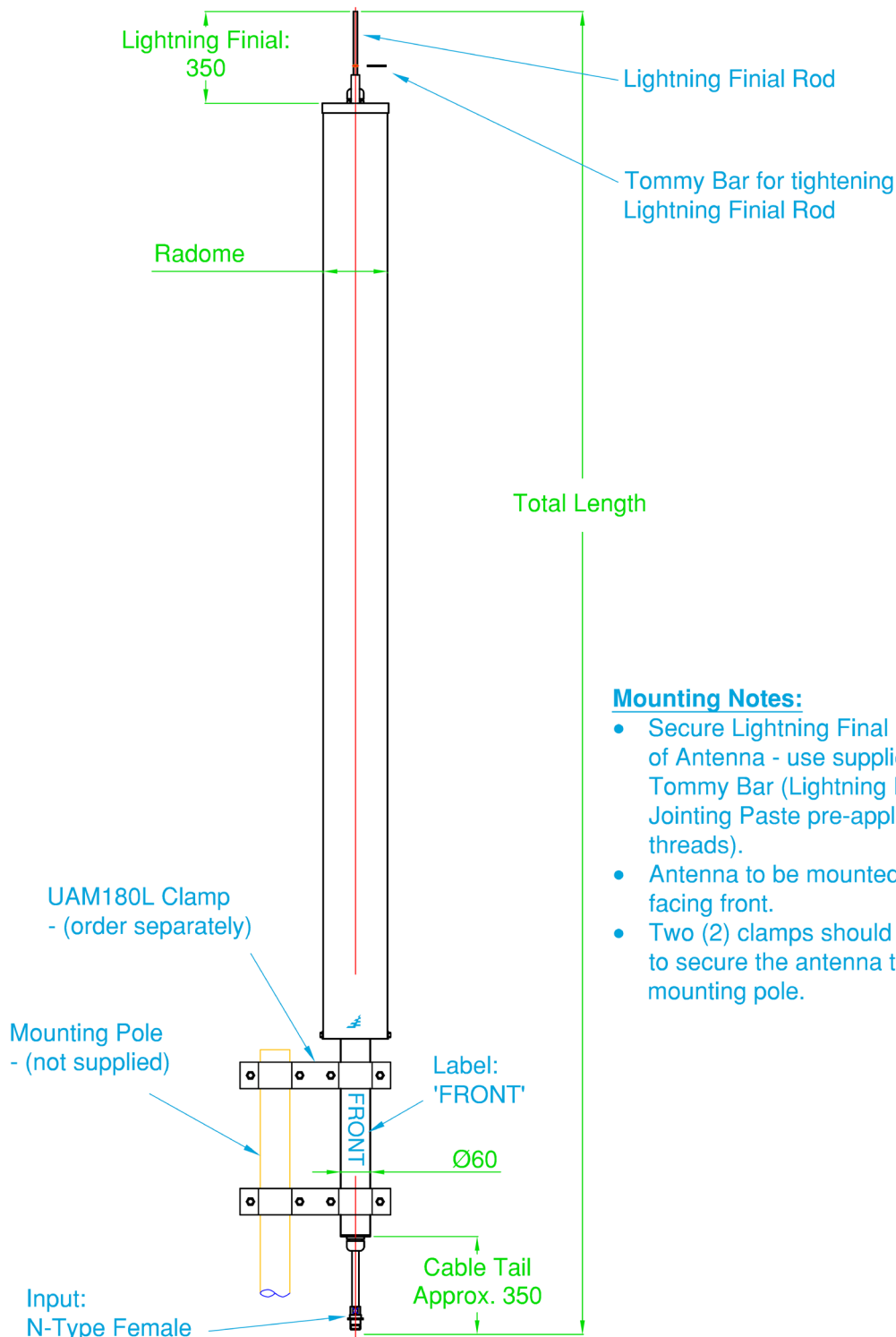
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Mounting Notes:

- Secure Lightning Final Rod to top of Antenna - use supplied Tommy Bar (Lightning Finial has Jointing Paste pre-applied to threads).
- Antenna to be mounted with label facing front.
- Two (2) clamps should be used to secure the antenna to the mounting pole.