



### TRNC-S4

Standard four hole rail fixing  
Wideband UHF element

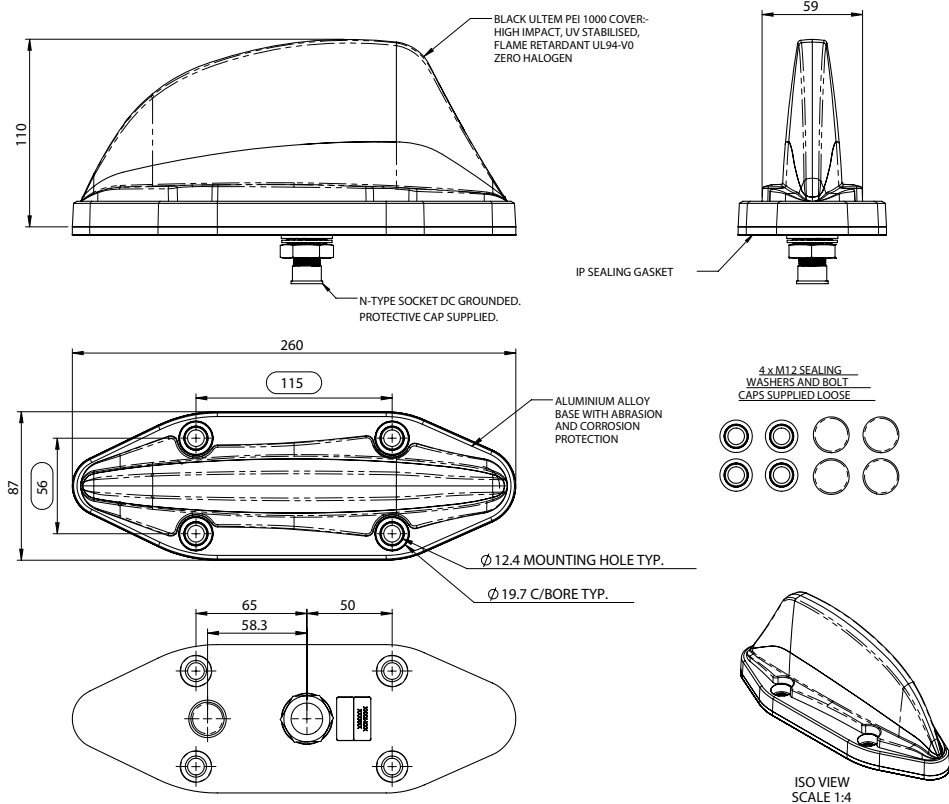


The TRNC antenna series has been designed specifically for use on trains, trams and buses underground or over ground.

The TRNC-S4 range covers 450-470MHz UHF with a DC grounded radiating element.

Housed in a high impact, flame retardant Ultem housing, the TRNC series features IP67 protection ensuring that the antenna's performance is never compromised.

Technical Drawing TRNC-S4 shown



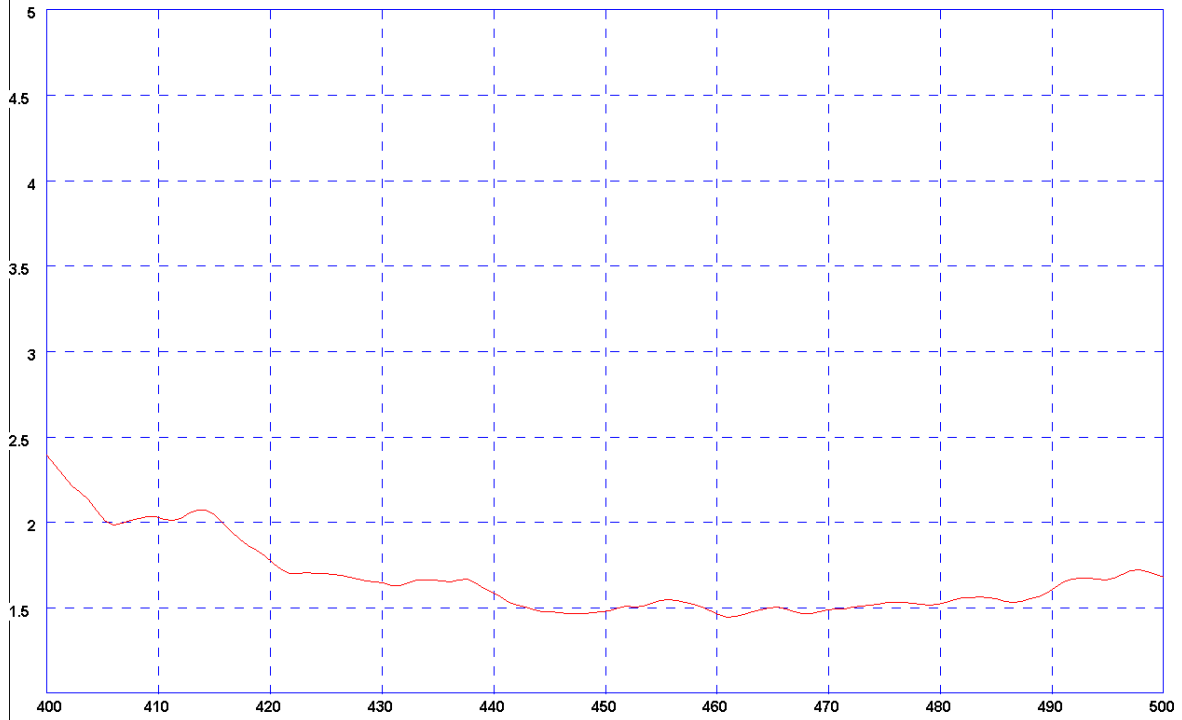
# UHF Transit Antenna

## TRNC-S4

<b>Part No.</b>		TRNC-S4
<b>Electrical Data</b>		
Frequency Range (MHz)		450-470 MHz
Peak Gain: **		5dBi
Polarisation		Vertical
Typical VSWR*		< 2:1
Pattern		Omni-directional
Impedance		50Ω
Max Input Power (W)		60
<b>Mechanical Data</b>		
Dimensions (mm)	Height (N/inc pad)	110 (4.33")
	Width	87 (3.42")
	Length	260 (10.23")
<b>Environmental Specification</b>		
Operating Temp (°C)		-40° / +80°C ( -40° / +176°F )
Radome Material		Ultem 1000
Radome Flame Retardance Rating		V0 (UL 94)
Base Material		Cast Aluminium
Ingress Protection		IP67 (Report No. 48883)
<b>Approvals Data</b>		
Regulatory Approvals		EN50155:2007 (Dry heat & Cooling), EN61373:2010 / EN50155:2007 (Shock & Vibration), EN45545 - HL3 (flammability)
<b>Mounting Data</b>		
Fixing		4 × mounting holes to suit M12 bolts
<b>Termination Data</b>		
Termination	Comms	N (female) - DC grounded

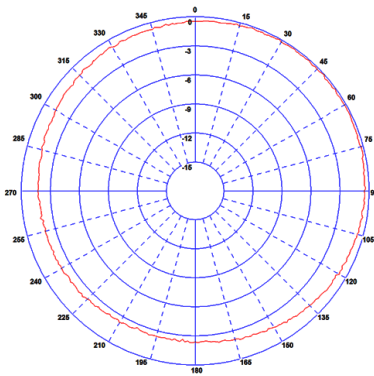
Electrical Data

Typical VSWR\*

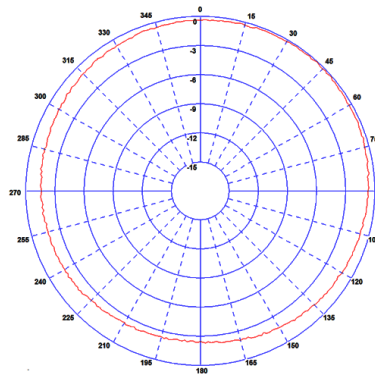


\* Measured on a 600 x 600mm (2' x 2') ground plane with 1m (3') of low loss cable

Typical H Plane - 450MHz



Typical H Plane - 460MHz



Typical H Plane - 470MHz

