

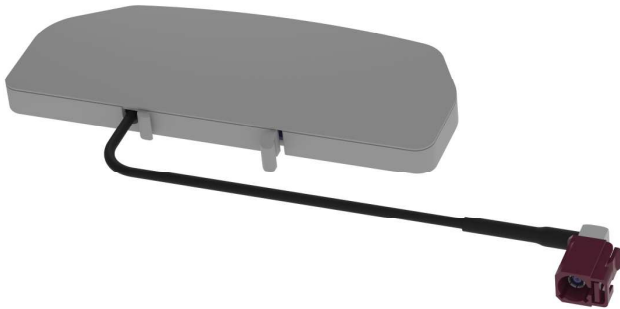
RM450

Rail Mount Antenna

Issue Date: 12/10/2018 v.1

Rail Mount Meter Antenna

- Low Profile
- EN50022 Rail Mount
- Right Angle FAKRA D Jack



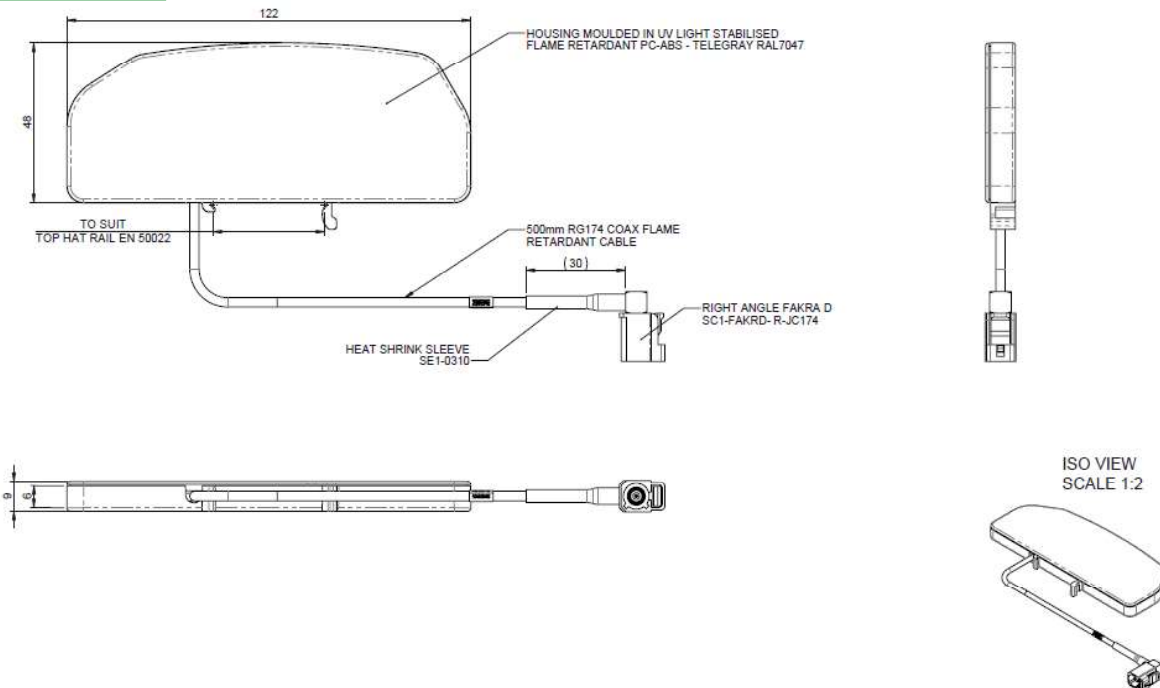
The Panorama RM450 antenna is designed to decrease the lifetime cost of smart metering installations by offering a robust, effective antenna that is easy to install.

The antenna offers ground-plane independent omni-directional performance across the 450-460MHz bands. The efficient element design ensures a high first time connection rate and an ongoing, robust communications link even in many low coverage areas+.

The antenna can be installed using the supplied EN50022 rail mount and offers a right angle FAKRA D Jack

+Performance may change based on mounting context.

Technical Drawing



RM450

Rail Mount Antenna

Product Data

Part No.

RM450-05SP

RM450-05RFAKDJ

Electrical Data

Frequency Range (MHz)	450-465
Typical Peak Gain: Isotropic †	1dBi
Typical VSWR	<2.5:1
Polarisation	Vertical
Pattern	Omni-directional
Impedance	50Ω
Max input power (W)	10

Mechanical Data

Dimensions (mm)	Height	122 (4.8")
	Length	48 (1.89")
	Depth	9 (0.35")
Operating Temp (°C)	-30° / +70°C (-30° / 158°F)	
Material	Flame Retardant PC/ABS Plastic	
Colour	RAL 7047- Grey	

Mounting Data

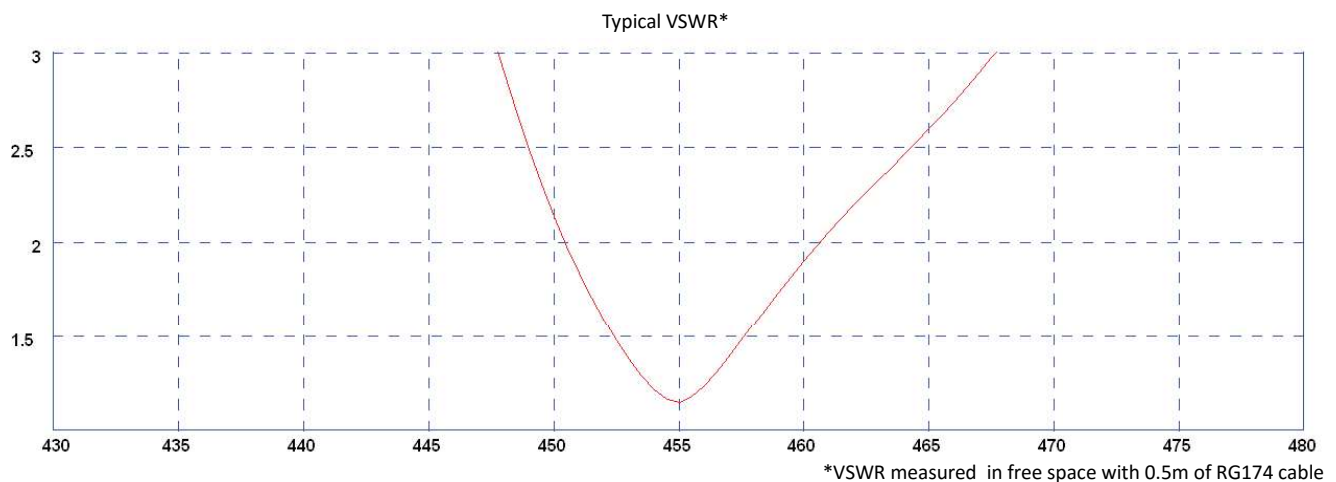
Fixing	EN50022 Rail Mount
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Cable Data

Cable Type	Flame Retardant RG174	
Diameter (mm)	2.8 (.1")	
Length (m)	0.5(1.5')	
Min Bend Radius (mm)	6.35	
Termination	SMA (m)	R/A FAKRA D Jack

† Peak gain does not include cable attenuation

VSWR



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