



WM8RCP-TET-NJ WM8LCP-TET-NJ

380-430MHz

8dBi directional peak gain

Circularly Polarised (RHCP or LHCP)

Wall mount

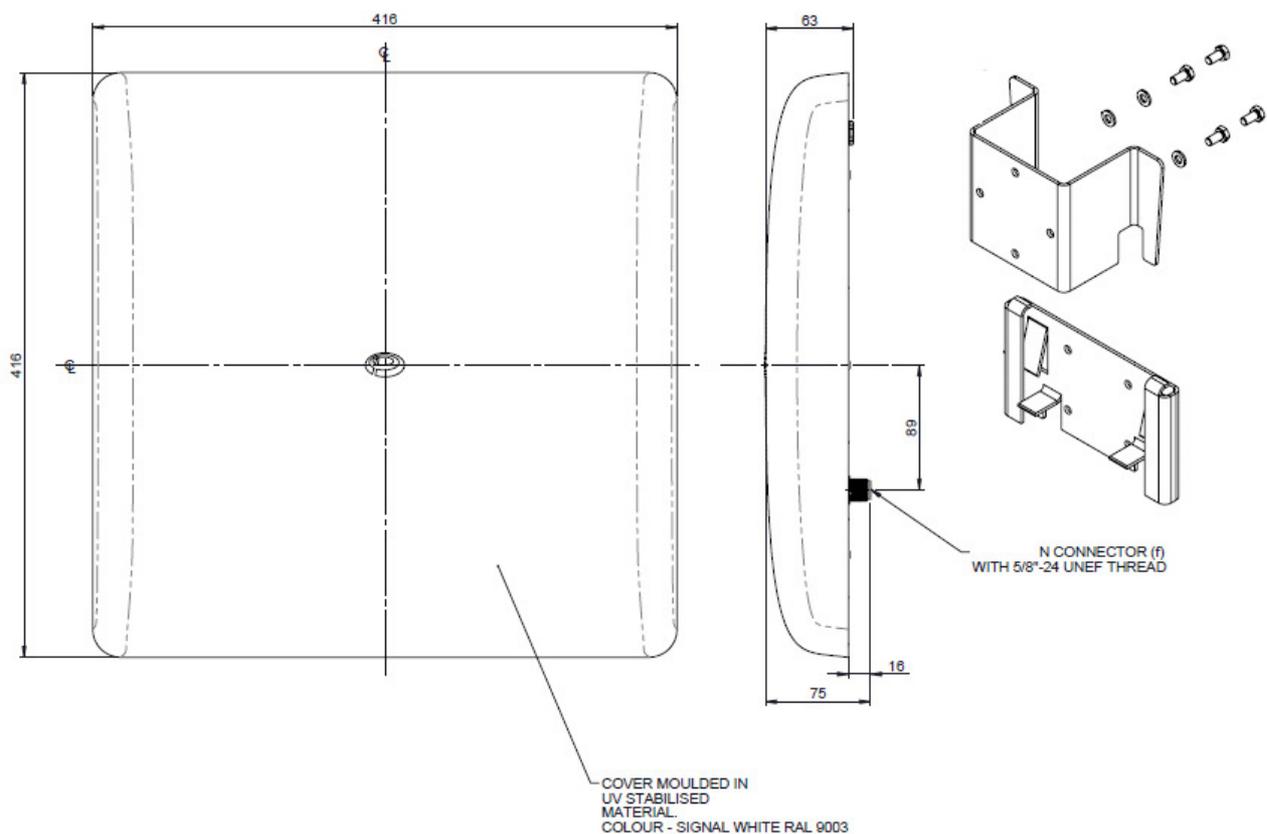
The WM8[X]CP is a range of circularly polarised directional panel antennas for UHF frequencies with a peak gain of 8dBi. WM8RCP antennas are right hand circularly polarised while WM8LCP antennas are left hand circularly polarised.

Circular polarisation reduces flutter and avoids out of phase signals.

The PC/ASA radome is flame retardant (halogen-free), resistant to weathering and suitable for outdoor use. The enclosure is vented by a high performance GORE® gland which allows it to breathe while keeping moisture and contaminants out further increasing survivability.

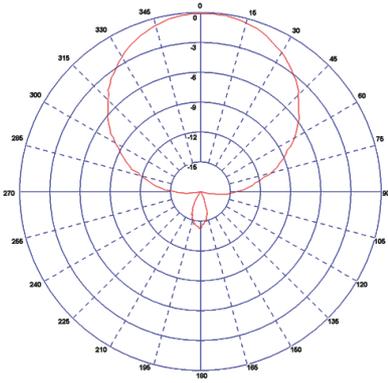
Supplied with a compact easy fit wall mount bracket the WM8-TET-NJ is perfect for inbuilding applications.

Technical Drawing

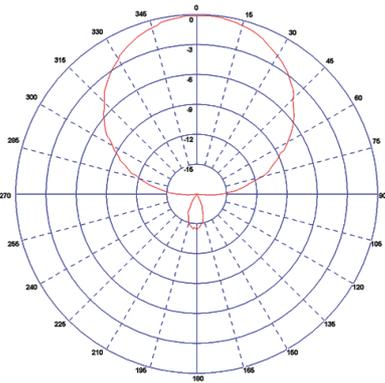


Antenna Patterns

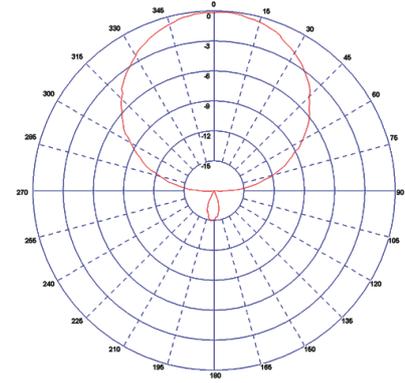
Typical H Plane 380MHz



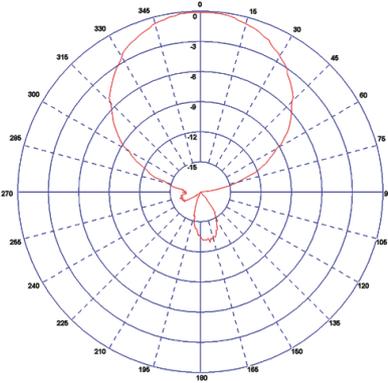
Typical H Plane 395MHz



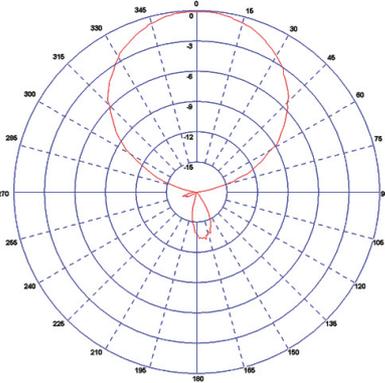
Typical H Plane 410MHz



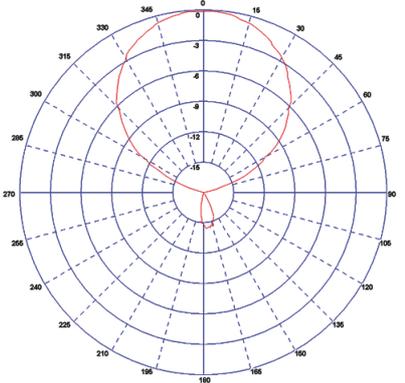
Typical E Plane 380MHz



Typical E Plane 395MHz



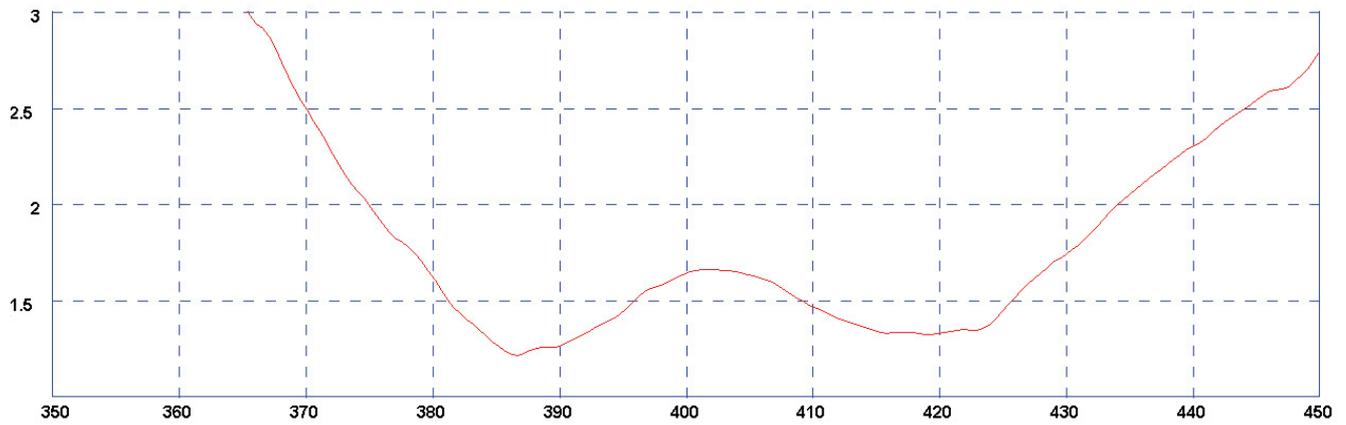
Typical E Plane 410MHz



*Patterns measured in free space with 1m (3') of CS23 cable

Measured VSWR

Typical VSWR*



*measured in free space with 1m (3') CS23 cable

Part No.		WM8RCP-TET-NJ	WM8LCP-TET-NJ
Electrical Data			
Frequency Range (MHz)		380-430	
Peak Gain: Isotropic		8dBi	
Compared to a dipole		6dB	
VSWR		≤ 2:1	
Typical beamwidth H-plane		70°	
Typical beamwidth E-plane		70°	
Polarisation		RHCP	LHCP
Pattern		Directional	
Typical axial ratio		3dB	
Typical front-to-back Ratio		-13dB	
Impedance		50Ω	
Max Input Power (W)		100	
Mechanical Data			
Dimensions (mm)	Height	416 (16.37")	
	Width	416 (16.37")	
	Depth	60 (2.36")	
Operating Temp (°C)		-30° /+75°C (-22° /167° F)	
Colour		White	
Materials		PC/ASA & aluminium	
Radome flame retardance		UL-94 V0 (Halogen Free)	
Radome outdoor use rating		F1 (UL746C)	
Typical wind load @ 45 m/s (N)		227	
Survival wind speed (m/s)		54	
Ingress Protection		IP66	
Mounting Data			
Mounting type		Wall mount - Easy Fit (alternative multi-tilt bracket SAB-186 supplied separately)	
Bracket Offset (mm)		85 (3.3")	
Bracket Material		Galvanised steel	
Termination Data			
Termination		N socket	

Waiver: The data given above is indicative of the performance of the product/s under particular conditions and does not imply a guarantee of performance. These specifications are subject to change without notice. Copyright © Panorama Antennas Ltd. All rights reserved.

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