MiMo Directional Antenna

WMM8G-7-27-[VAR]





WMM8G-7-27

Supports MiMo & diversity across 3G & 4G Two wideband elements with gain Durable wall mount housing Suitable for mast, wall and desk mounting

The WMM8G-7-27 antenna is a high directional gain 2x2 MiMo signal boosting antenna for 2G, 3G and 4G networks. Incorporating two separately fed wideband elements in a single housing the WMM8G-7-27 is equipped to provide client side MiMo and diversity support for 2G, 3G and 4G networks. With 6dBi of peak gain at 698-960MHz and 9dBi peak gain at 1710-2700MHz the WMM8G-7-27 provides extra gain for next generation networks.

The rugged, weather resistant housing is designed for wall mounting and wall and mast mount brackets are provided. Supplied with fitted low loss double shielded twin cable the WMM8G-7-27 minimises exposed connector joints and simplifies cable management for easy installation.

The WMM8G-7-27 is an cost effective value added product for network operators and service providers ensuring a stable link with improved data rates for subscribers thereby improving satisfaction and retention.

Technical Drawing

ANTENNA
HOUSING
WHITE ASA

2 x Ø 7 FIXING
HOLES FOR M6

TWIN CS29 LOW
LOSS CABLE 5M
LONG WITH SMA
PLUG CONNECTORS

SUPPLIED LOOSE

WALL MOUNT BRACKET
SUPPLIED LOOSE

MAST MOUNT BRACKET
SUPPLIED LOOSE



04/07/2017

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.

WMM8G-7-27-5SP Shown

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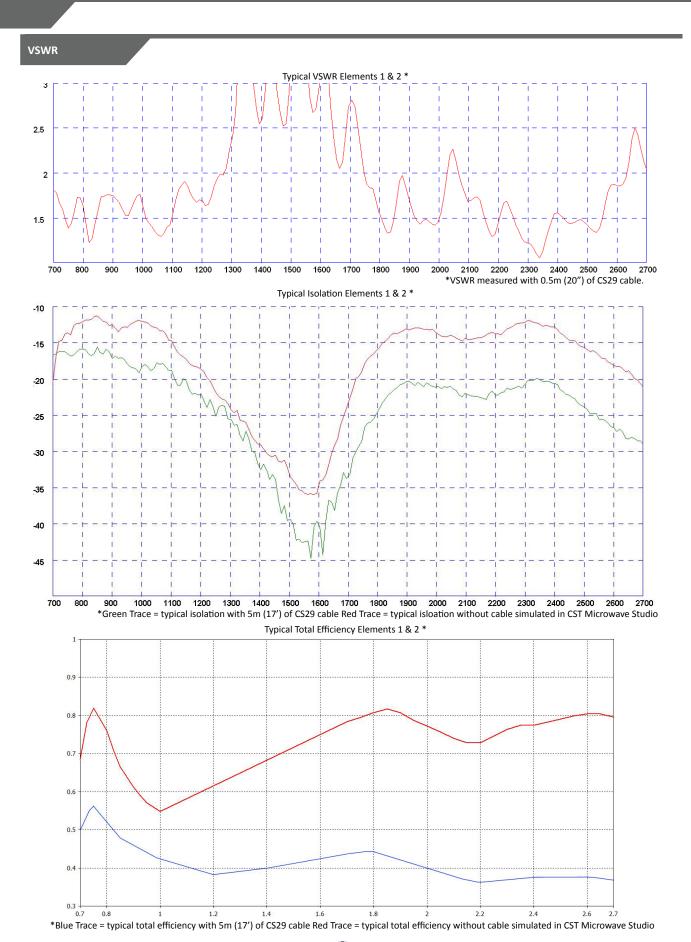


Product Data

Part No.				
		WMM8G-7-27-5SP	WMM8G-7-27-03NJ	
Electrical Data				
Frequency Range (MHz)	Antenna 1	698-960/1710-2700		
	Antenna 2	698-960/1710-2700		
Operational bands		2G / 3G	2G / 3G / 4G	
Radiation pattern		Directional		
Nominal Polarisation		+/- 45deg Vertical		
Peak Gain (excl cable loss)	698-960 MHz	6dBi		
	1710-2170 MHz	9dBi		
	2396-2700 MHz	6dBi		
Efficiency - excluding cable loss (all bands)		> 659	> 65%	
Correlation co-efficient (all bands)		< 0.05		
Max input power (W)		20 Watts		
Nominal Impedance		50Ω		
Mechanical Data				
Dimensions (mm)	Height	230 (9")		
	Width	180 (7.1")		
	Depth	94 (3.7")		
Operating temp (°C)		-30° / +80°C (-40° / 176°F)		
Material		U.V. stable, impact resistant ASA		
Colour		RAL9010 (Pure White)		
Weight (g)		955		
Ingress Protection		IP 65		
Mounting Data				
Fixing		Wall mount / mast mo	ount / desk mount	
Mounting bracket material		Stainless steel / Aluminium		
Pole diameter (mm)		20-50 / (0.78 - 1.96")		
Cable Data				
		2 x CS29 Coax (double shielded RG58)	2 x CS29 Coax (double shielded RG58)	
Diameter (mm)		5 (0.2")	5 (0.2")	
Length (m)		5 (16′)	0.3 (12")	
Termination		2 × SMA (m)	2 × N(f)	
Adaptors		Supplied separately		

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Gain Plots 3D Gain Plot Side (725MHz) 3D Gain Plot Top (725MHz) 3D Gain Plot Side (825MHz) 3D Gain Plot Top (825MHz) 3D Gain Plot Side (925MHz) 3D Gain Plot Top (925MHz) 3D Gain Plot Top (1750MHz) 3D Gain Plot Side (1850MHz) 3D Gain Plot Side (1750MHz) 3D Gain Plot Side (1950MHz) 3D Gain Plot Top (1850MHz) 3D Gain Plot Top (1950MHz) 3D Gain Plot Side (2150MHz) 3D Gain Plot Top (2150MHz) *WMM8G-7-27-5SP 3D Patterns show realised gain both elements fed modelled in CST Microwave Studio without additional cable.