WMM8G-7-38-[VAR]





WMM8G-7-38

Supports MiMo & diversity across 3G,4G & 5G Two wideband elements with gain Durable wall mount housing Suitable for mast, wall and desk mounting

The WMM8G-7-38 antenna is a high directional gain 2x2 MiMo signal boosting antenna for 2G, 3G,4G and many 5G networks. Incorporating two separately fed wideband elements in a single housing the WMM8G-7-38 is equipped to provide client side MiMo and diversity support for 2G, 3G, 4G and many 5G networks. With 6dBi of peak gain at 698-960MHz and 9dBi peak gain at 1710-3800MHz the WMM8G-7-38 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-7-38 minimises exposed connector joints and simplifies cable management for easy installation.

The WMM8G-7-38 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 0 7 FIXING
HOLES FOR MB
LOSS CABLE 5m
LONG WITH 5MA
PLUG CONNECTORS

WALL MOUNT BRACKET
SUPPLIED LOOSE

WALL MOUNT BRACKET
SUPPLIED LOOSE

WALL MOUNT BRACKET
SUPPLIED LOOSE



WMM8G-7-38-5SP Shown

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Product Data

		WMM8G-7-38-5SP	WMM8G-7-38-03NJ	
Electrical Data				
Frequency Range (MHz)	Antenna 1	698-960/1710-2700/3400-3800		
	Antenna 2	698-960/1710-2700/3400-3800		
Operational bands		2G / 3G / 4G / 5G		
Radiation pattern		Directional		
Nominal Polarisation		+/- 45deg Vertical		
Peak Gain (excl cable loss)+	698-960 MHz	6dBi		
	1710-2170 MHz	9dBi		
	2396-2700 MHz	96	9dBi	
	3400-3800MHz	9dBi		
Efficiency - excluding cable loss (all bands)		> 60%		
Correlation co-efficient (all bands)		<0.1		
Max input power (W)		20 Watts		
Nominal Impedance		51	0Ω	
Mechanical Data				
Dimensions (mm)	Height	230 (9")		
	Width	180 (7.1")		
	Depth	94 (3.7")		
Operating temp (°C)		-45° / +80°C (-49° / 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 mount / desk mount			
Mounting bracket material		Stainless steel / Aluminium		
Pole diameter (mm)		20-50 / (0.78 - 1.96")		
Cable Data				
Туре		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)	

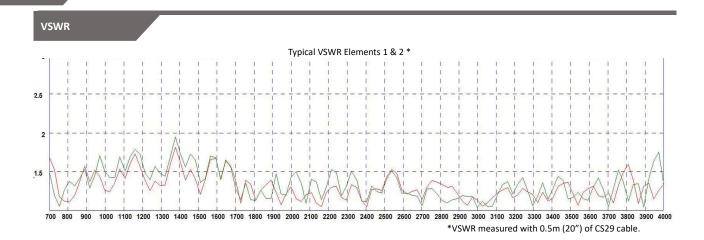
⁺ Swept peak gain simulated in CST Microwave studio for each element excluding cable loss

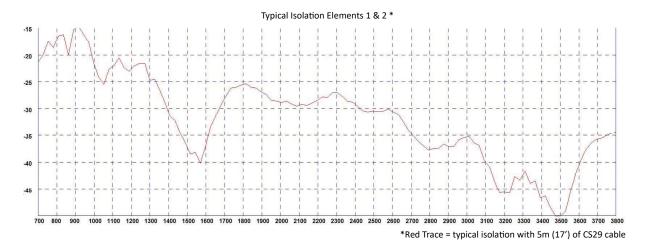


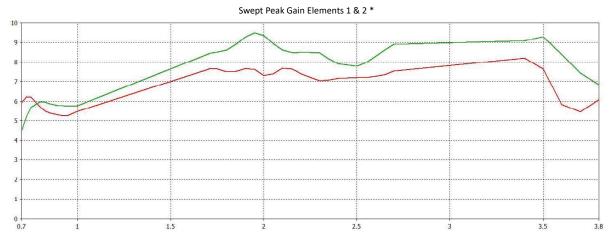
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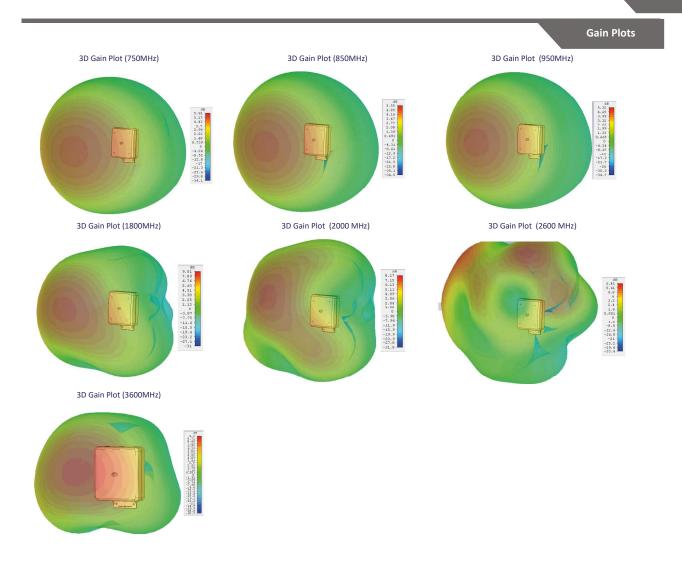




*Elements 1 &2 swept peak gain without cable simulated in CST Microwave Studio

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*WMM8G-7-38 3D Patterns show realised gain both elements fed modelled in CST Microwave Studio without additional cable.

