

Multi-band Indoor / Microcell Antenna

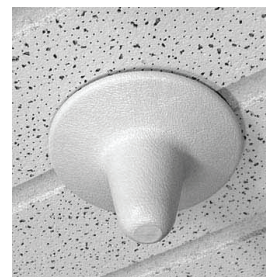
800-2500 MHz

DAS-M1



The DAS-M1 antenna is a revolutionary solution for indoor/outdoor distributed antenna systems. With multi-band coverage from 800-2500 MHz and a ground independent design, the applications are limitless.

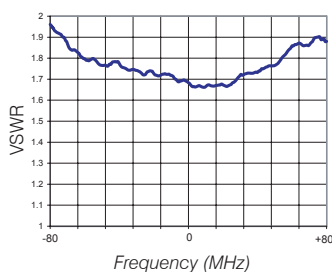
The DAS-M1 is a discrete, lightweight design for mounting on ceilings as a part of a multi-band distributed antenna system. It can also be "inverted" and mounted outdoors for wireless payphone, microcellular or picocellular applications, maintaining an IP66 ingress rating as the antenna includes multiple sealing gaskets.



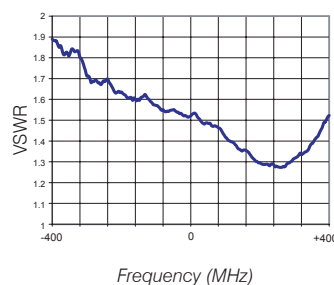
Features:

- Easy to install on metallic or non-metallic surfaces
- Excellent PIM characteristics
- Multi band design offers one solution for CDMA, GSM, 3G, PCS, DECT, WLAN and Bluetooth applications
- Strong omnidirectional performance

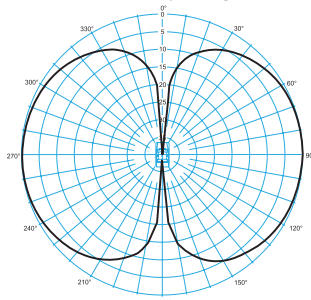
Typical VSWR Response
(SMD20-41-DIN)



Typical VSWR Response
(SMD2, 22, 24)

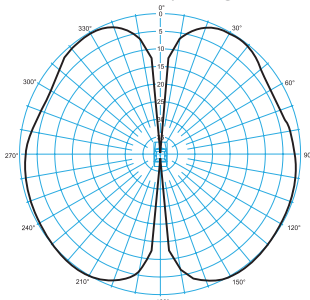


H Plane at 1/4 wave antenna
to mast spacing



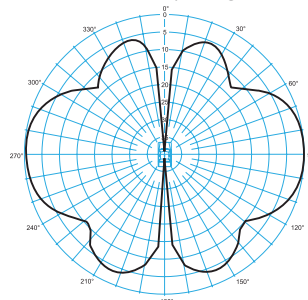
Peak gain at 0° of 2dBd

H Plane at 1/4 wave antenna
to mast spacing



Peak gain at 0° of 2dBd

H Plane at 1/4 wave antenna
to mast spacing



Peak gain at 0° of 2dBd

Electrical

Model No	DAS-M1		
Nominal Gain dBi	1.6	2.0	3.3
Frequency MHz	800 - 960	1710 - 2200	2400 - 2500
Tuned Bandwidth	Entire specific band		
VSWR (Return Loss)	<2.0:1		
Nominal Impedance Ω	50		
Vertical Beamwidth°	95	80	50
Input Power W	50W		

Mechanical

Model No	DAS-M1
Construction	All silver plated brass construction with Gelay ASA radome
Dimensions mm H x D	90 x 160
Weight kg	0.05
Termination	Silver plated N-Type female connector
Suggested Mounting	Ceiling or external. Complete with all gaskets to maintain IP66