

DAS Omni-directional Ceiling Antennas

380 – 4000 MHz

P.DASxxx-OMNI.xx.xxxF



PIM rated, indoor SISO omni-directional antennas covering UHF and Cellular bands - eliminating the need to install different antennas for each frequency. Ideal for fixed in-building coverage applications.

The Pulse DAS antenna range includes both low-profile and standard profile antenna designs and choice of type-N or 4.3-10 connectors.

Key Features

- SISO 300mm tail terminated with female connector (Type-N or 4.3-10 interface)
- Unobtrusive, compact form factor
- Coverage across multiple LMR, cellular and WLAN bands
- Ideal for DAS deployment for in-building coverage solutions
- Excellent PIM performance

Electrical Specifications

Model Number	P-DAS3838-OMNI. LP-NF				P-DAS3838-OMNI. LP-4.3F			P-DAS6940-OM- NI.LP-NF			P-DAS6940-OM- NI.LP-4.3F			P-DAS6940-OM- NI-NF			P-DAS6940-OM- NI-4.3F		
Application	Low-Profile Ceiling-Mounted Omni				Low-Profile Ceiling-Mounted Omni			Standard-Profile Ceiling-Mounted Omni			Standard-Profile Ceiling-Mounted Omni			Standard-Profile Ceiling-Mounted Omni			Standard-Profile Ceiling-Mounted Omni		
Coverage Bands	UHF & Cellular				UHF & Cellular			Cellular			Cellular			Cellular			Cellular		
Operating Frequency MHz	380-520	698-960	1710-2700	3300-3800	698-960	1710-2700	3300-4000	698-960	1710-2700	3300-4000	698-960	1710-2700	3300-4000	698-960	1710-2700	3300-4000	698-960	1710-2700	3300-4000
VSWR	≤2.0	≤2.0	≤2.0	≤2.0	≤1.5	≤1.6	≤1.5	≤2.0	≤1.5	≤1.5	≤2.0	≤1.5	≤1.5	≤2.0	≤1.5	≤1.5	≤2.0	≤1.5	≤1.5
Nominal Gain dBi	2	2	4	4.5	2.8	4.5	6	1.7	3	4	1.7	3	4	1.7	3	4	1.7	3	4
Nominal Beamwidth E Plane	120°	85°	76°	58°	190°	77°	43°	87°	38°	32°	87°	38°	32°	87°	38°	32°	87°	38°	32°
Nominal Beamwidth H Plane	360°				360°			360°			360°			360°			360°		
Polarisation	Horizontal				Horizontal			Horizontal			Vertical			Vertical			Vertical		
Nominal Impedance	50 Ω				50 Ω			50 Ω			50 Ω			50 Ω			50 Ω		
Maximum Input Power	50 W				50 W			50 W			50 W			50 W			50 W		
Passive IM 3 rd order dBc	-	-145	-150	-	-150	-153	-	-150	-153	-	-150	-153	-	-150	-153	-	-150	-153	-

Mechanical Specifications

Model Number	P-DAS3838-OMNI. LP-NF		P-DAS3838-OMNI. LP-4.3F		P-DAS6940-OM- NI.LP-NF		P-DAS6940-OM- NI.LP-4.3F		P-DAS6940-OM- NI-NF		P-DAS6940-OM- NI-4.3F	
Mounting Style	Rear threaded stud with fixing nut and short coax cable tail											
Environment	Indoor only											
Interface	Type-N Female Jack		4.3-10 Female Jack		Type-N Female Jack		4.3-10 Female Jack		Type-N Female Jack		4.3-10 Female Jack	
Operating Temperature °C	-40 ~ +65				-40 ~ +55				-40 ~ +55			
Diameter <i>mm</i>	280				220				204			
Hight <i>mm</i>	19				12				125			
Weight <i>kg</i>	0.6				0.3				0.4			
Radome Material	ABS (White)				ABS (White)				ABS (White)			
Appearance												

The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.