

TECHNICAL SPECIFICATION

1. GENERAL

1.1 Scope

Product Name	Part Number
Wideband Indoor MIMO Panel Antenna 2×N-Female 698-2700MHz	103000053

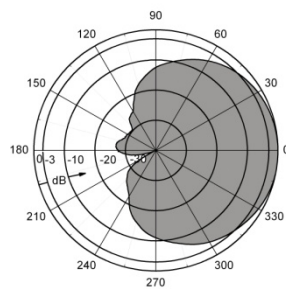
2. CONSTRUCTION and PARAMETERS

2.1 Product Appearance

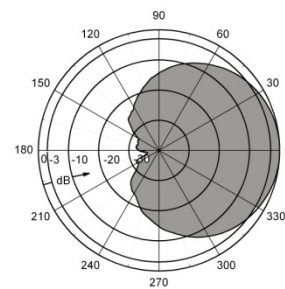


2.2 Reference Pattern

698-960/1710-2200/2300-2700MHz



Horizontal Pattern



Vertical Pattern

2.3 Electrical Specifications

Description	Wideband Indoor MIMO Panel Antenna 2×N-Female 698-2700MHz		
Frequency Range (MHz)	698-960	1710-2200	2300-2700
Gain (dBi)	≥5.0	≥7.0	≥7.0
Horizontal 3dB Beam Width (Deg)	95	85	60
Vertical 3dB Beam Width (Deg)	80	70	45
Front to Back Ratio at 180 Deg ± 30 Deg	≥8	≥10	≥12
Isolation Between Ports (dB)	≥ 14	≥ 18	≥ 20

VSWR	≤ 2.0
Inter-modulation IM3 (dBc)	< -140 (3 rd order, $2 \times 43\text{dBm}$)
Average Input Power (Watt)	≥ 25
Maximum Input Power (Watt)	50
Impedance (Ohm)	50
Polarization	± 45

2.4 Physical Specifications

Connector Type	2×N-Female
Antenna Dimensions (mm)	320×205×70
Antenna Net Weight (kg)	0.77
Reflector Material	Aluminum
Radome Material	PS / White

2.5 Environmental Specifications

IP Rating	IP65
Relative Humidity (%)	0-95
Temperature Range (°C)	-30 ~ +55
Mounting Type	Wall or pole mounted