

Patch Antenna
2.4GHz Patch Passive Antenna
BT25B0150



Features:

-  2400-2500 MHz
-  Cable, Adhesive tape

Applications:

-  2.4-2.5 GHz ISM Band radios
-  Wi-Fi, Bluetooth

Electrical specifications @ 25° C

Antenna type	Nominal Impedance	Polarization	Radiation pattern
Patch	50Ω	RHCP	Directional

Frequency (MHz)	2400-2500
Return Loss (dB)	< -6
Radiating Element Peak Gain (dBic)	> 3.5
Avg. Efficiency (%)	> 60

Mechanical Specifications

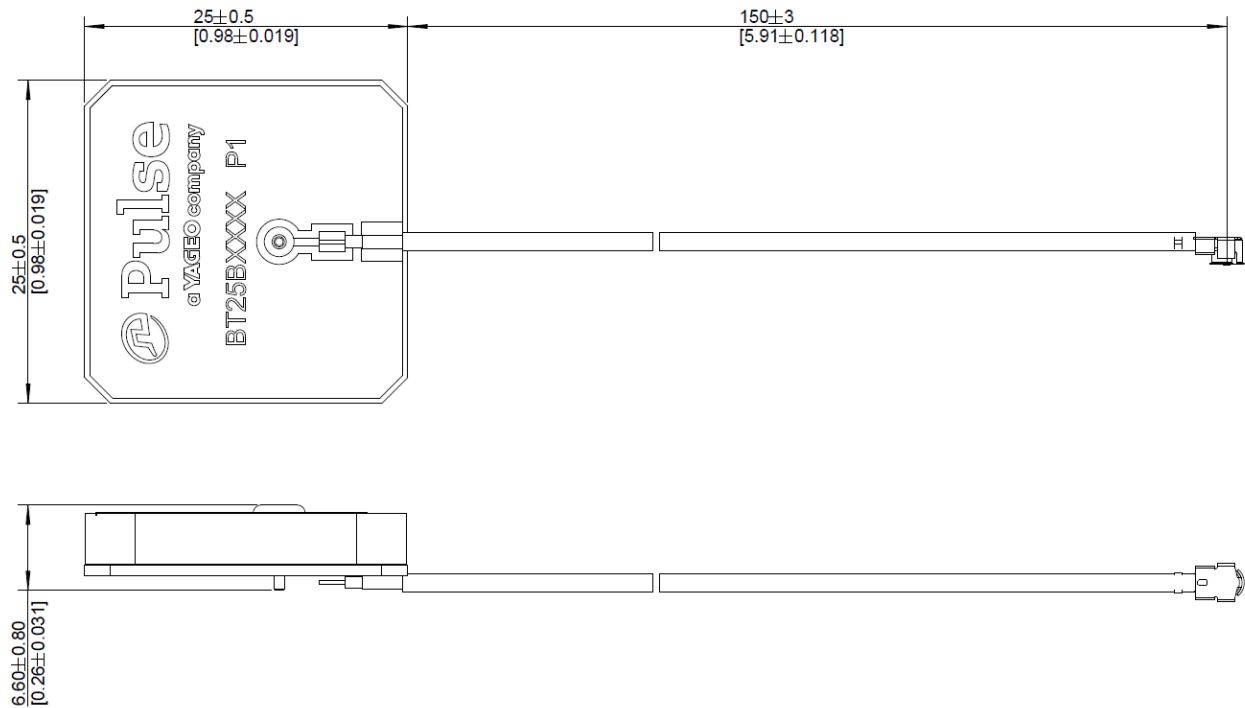
Dimension	Fixing method	Antenna Material	Connector Type	Cable Type
Length x Width x Height (w/o cable)				
25mm*25mm*6.6mm / 0.98"x0.98"x0.26"	Adhesive Foam Rogers T=3.0mm	Ceramic+PCBA+Cable	I-PEX MHF	Ø1.37mm
Cable Length	Weight	RoHS- Compliant	Storage and operating Temperature	
150mm/5.91"	16.9 grams	Yes	-40°C to 85°C	

Notes:

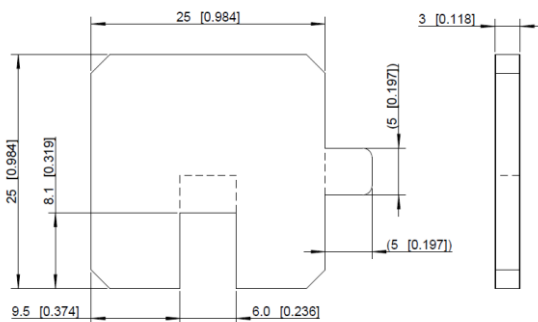
1. The adhesive foam is in the same package as the antenna, which is an alternative assembly solution for the antenna.

Mechanical Drawing

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Double side adhesive foam included in the sale package as an alternative assembly option, foam dimensions are as the below.

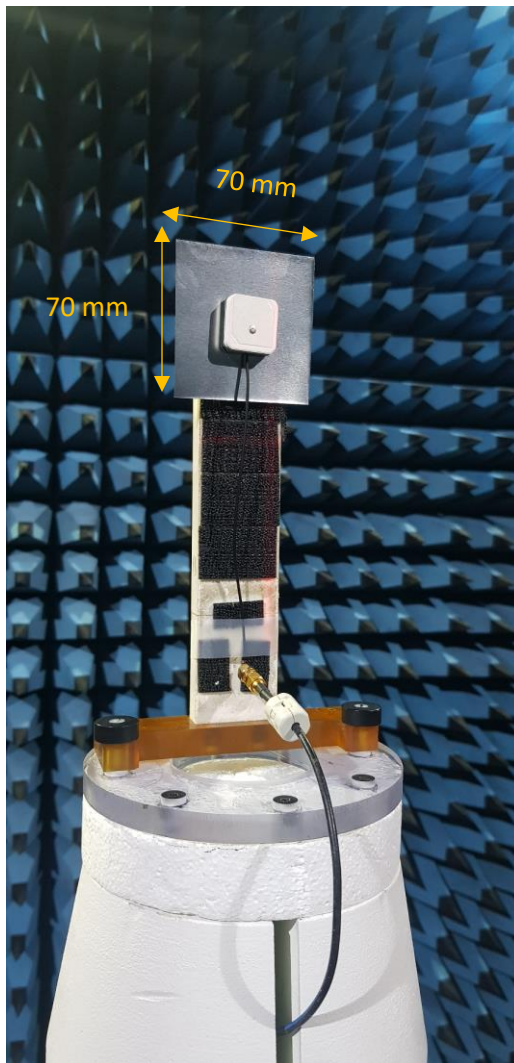


All dimensions are in mm/inch

Test Setup

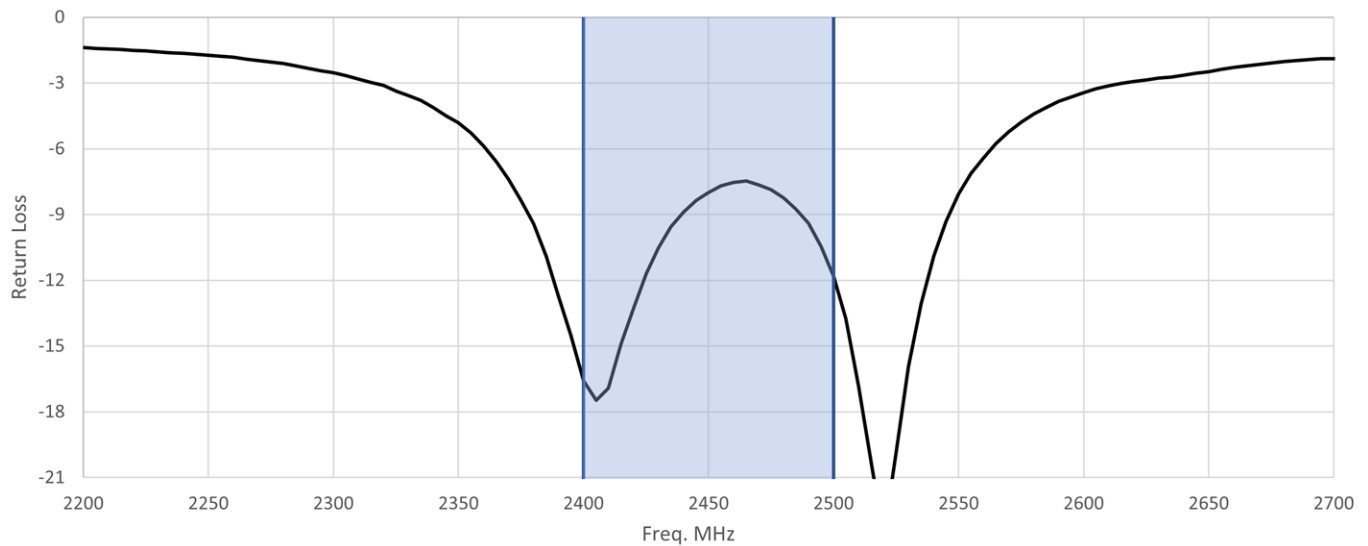
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- S-parameters, Gain and Efficiency measured with 150mm cable, using 70 x 70 mm metal backplate.
- Measured at Pulse Finland (MVG SG24L Chamber)



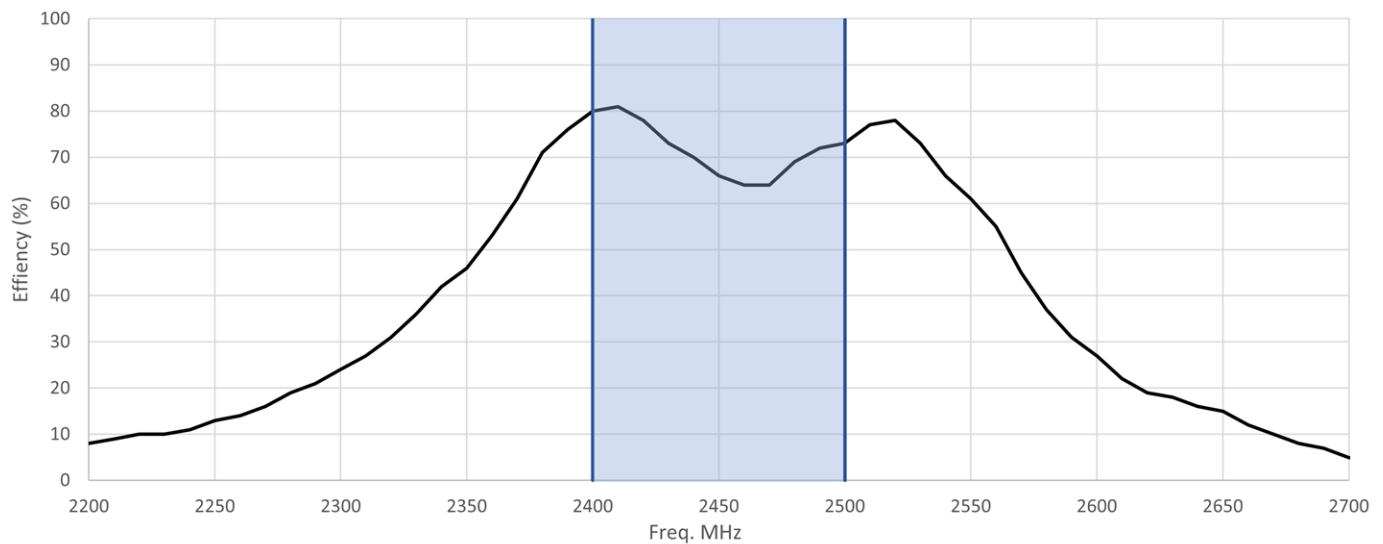
Return Loss (dB): 2400-2500 MHz

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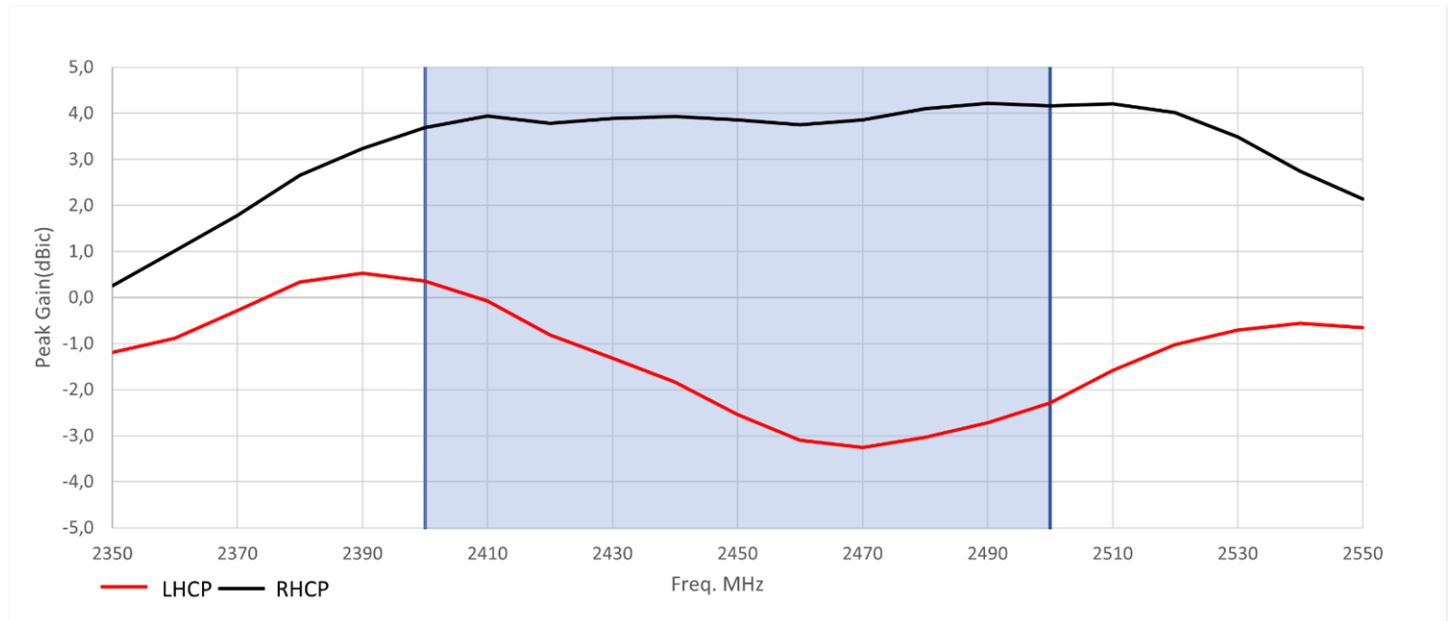
Efficiency (%): 2400-2500 MHz

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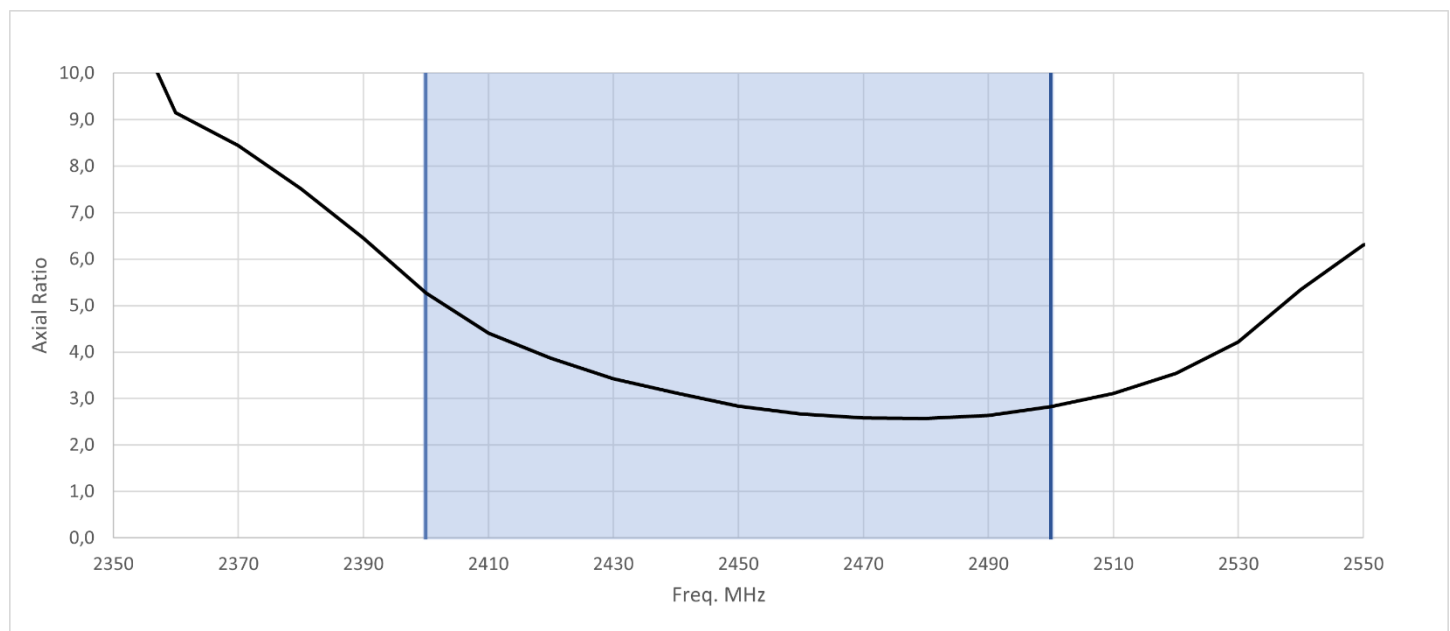
Gain (dBic): 2400-2500 MHz

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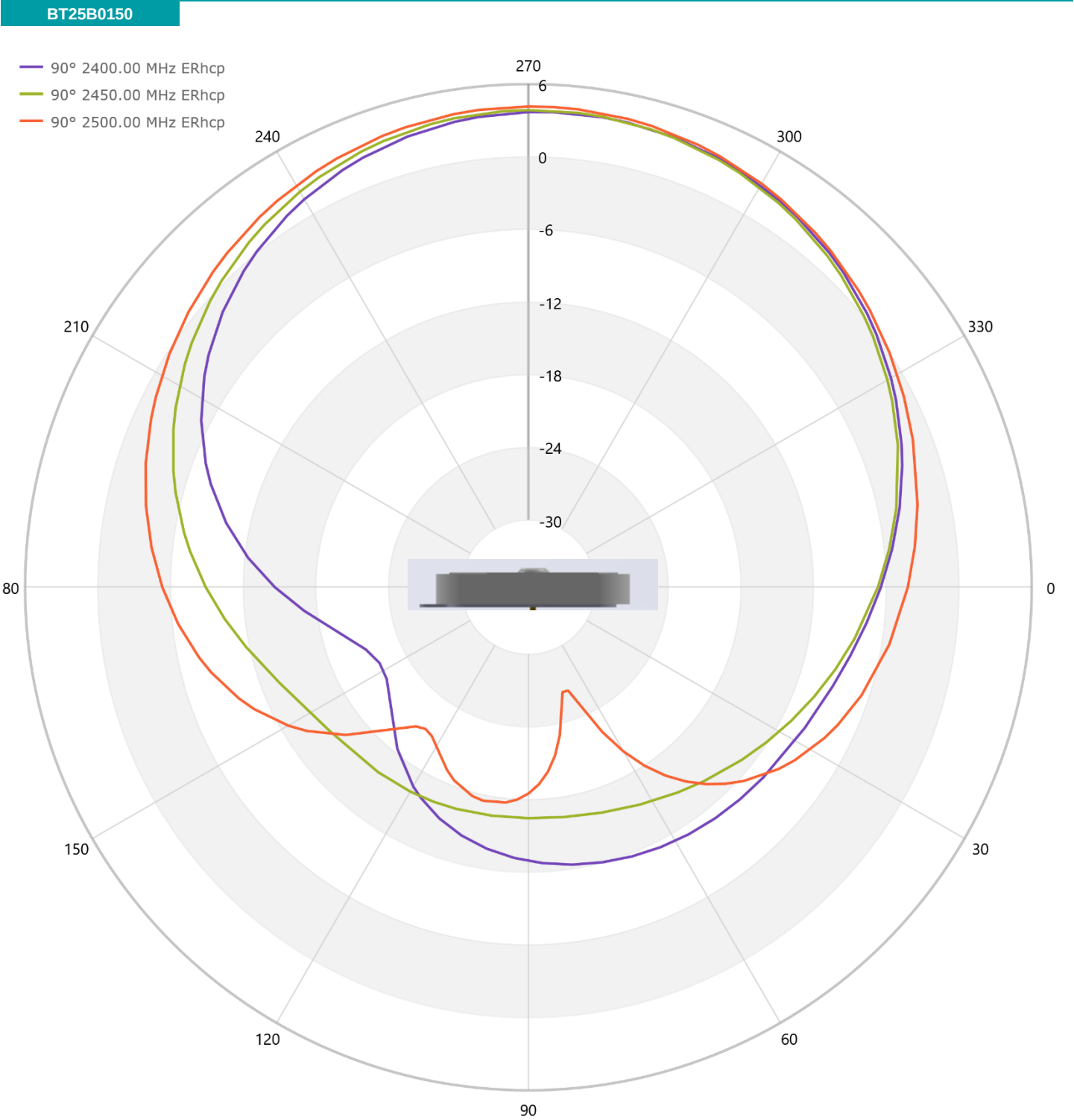


Axial Ratio: 2400-2500 MHz

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Radiation Pattern: Azimuth Cut 90°



Packaging

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Antennas packed in tray and carton box.

- Each antenna wrapped in foam bag
- 240 pcs / carton box
- Carton box dimensions (mm): 405x300x180

For More Information:

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