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TECHNICAL DATA SHEET

Description : LTE Direct Mount

Series: DISC

PART NUMBER: DSC11001DM



Features:

- LTE 4G antenna:
  - 698-960/1710-2700
- Gain 2 / 5 dBi
- Diameter 100mm
- Height 34.8mm
- Cable RG174
- Connector SMA male
- IP67

Applications:

- 4G LTE
- Cat M1 and Cat 1 Devices
- 2G / 3G radios
- Vehicular use
- Utility boxes
- Smart metering

All dimensions are in mm / inches

Preliminary

Issue: 2041

RoHS COMPLIANT

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ELECTRICAL SPECIFICATIONS

Antenna Type	PIFA
Frequency	698-960/1710-2700MHz
Nominal Impedance	50 Ω
Return Loss	698-960 -6dB/1710-2700 -8dB
Radiation Pattern	Omni
Gain (Min)	698-960 2dBi / 1710-2700 5dBi
Efficiency(Min)	698-960 38%/ 1710-2700 50%
Polarization	Linear Vertical

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MECHANICAL SPECIFICATIONS

Antenna Color / Material	Black
Connector type	SMA Male
Cable type	RG-174, Black
Cable length	500mm
Fixing system	Direct Mount P.S. requires a 3/4” (19mm) hole in the mounting surface
Connector retention	30 N
Strain relief	30 N, applied to cable along axis and perpendicular to cable entry

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 ~ 85° C
Storage Temperature	-40 ~ 85° C
Ingress Protection	IP67
Wind-loading	160 km/h
RoHS Compliant	Yes

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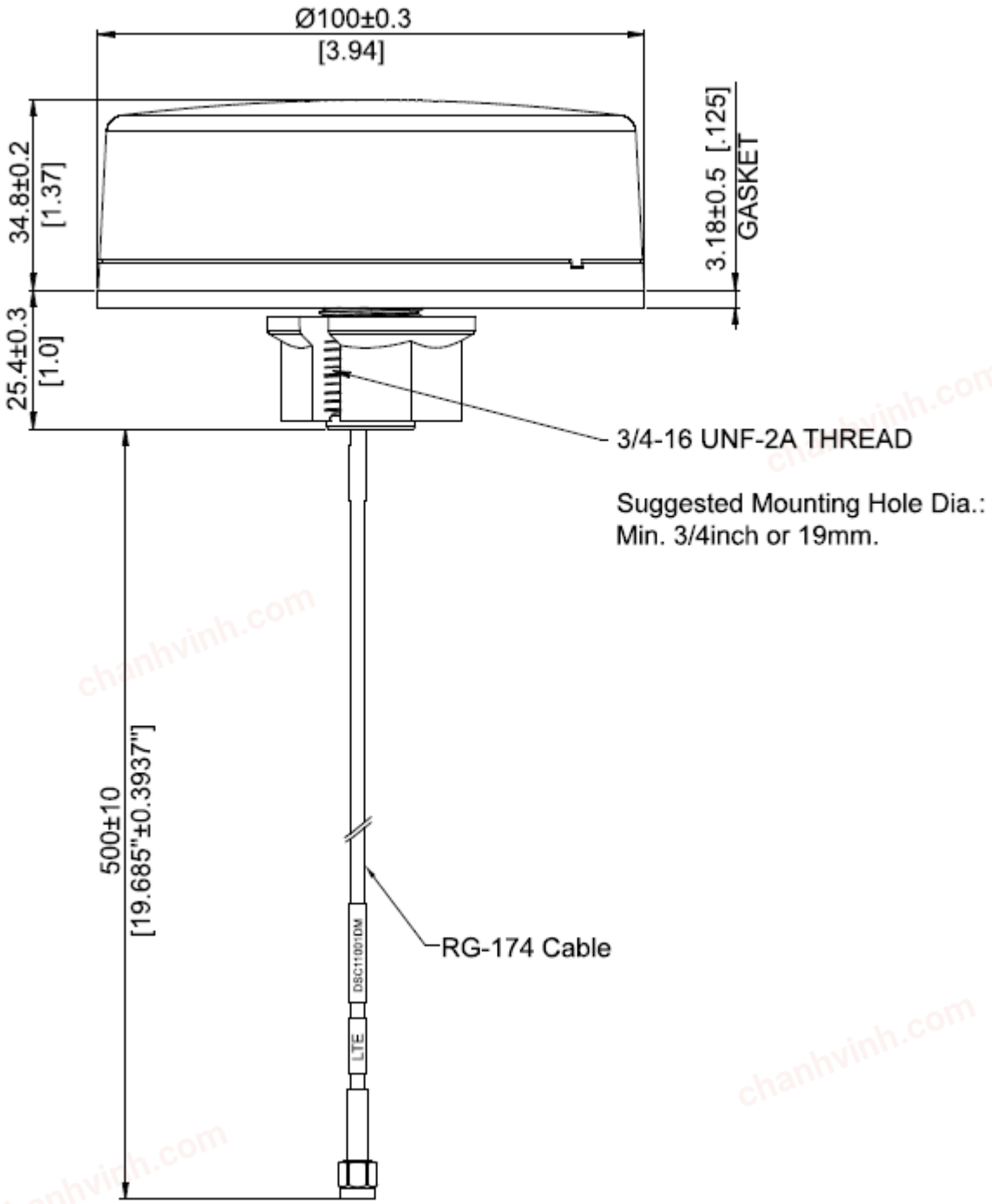
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Description : LTE Direct Mount

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MECHANICAL DRAWING



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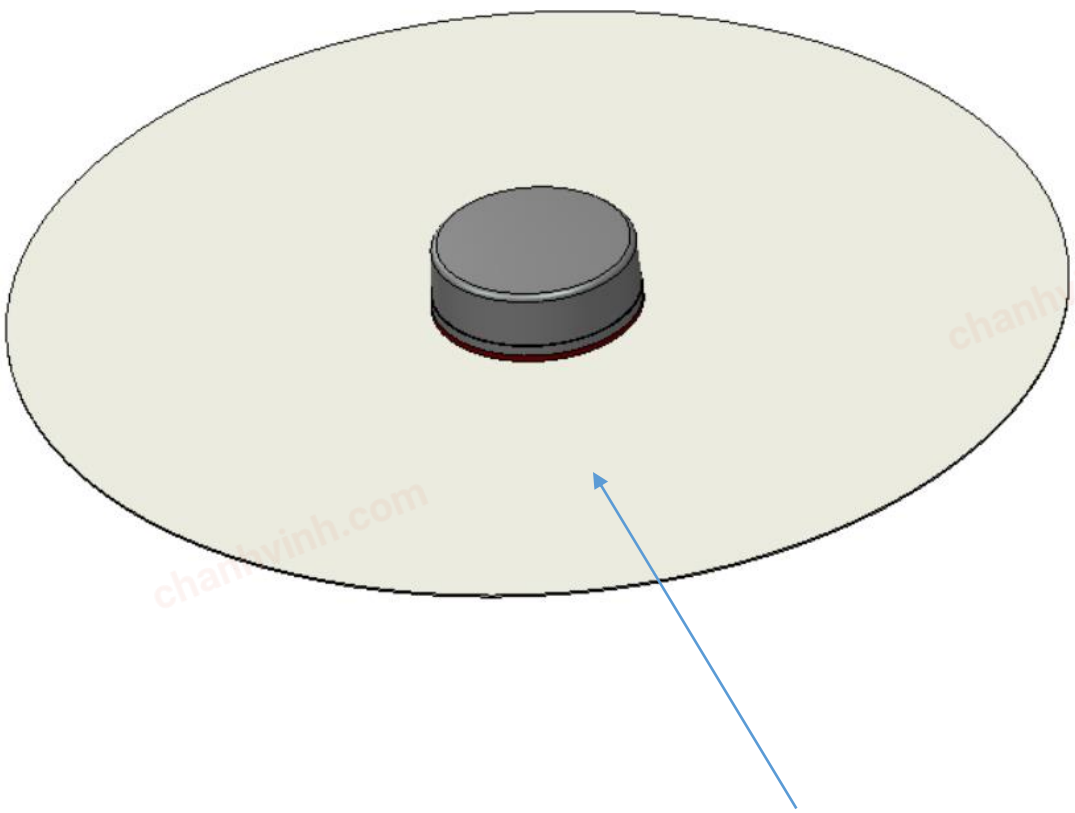
TECHNICAL DATA SHEET

Description : LTE Direct Mount

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TEST SETUP



Diameter: 500 mm ground pane

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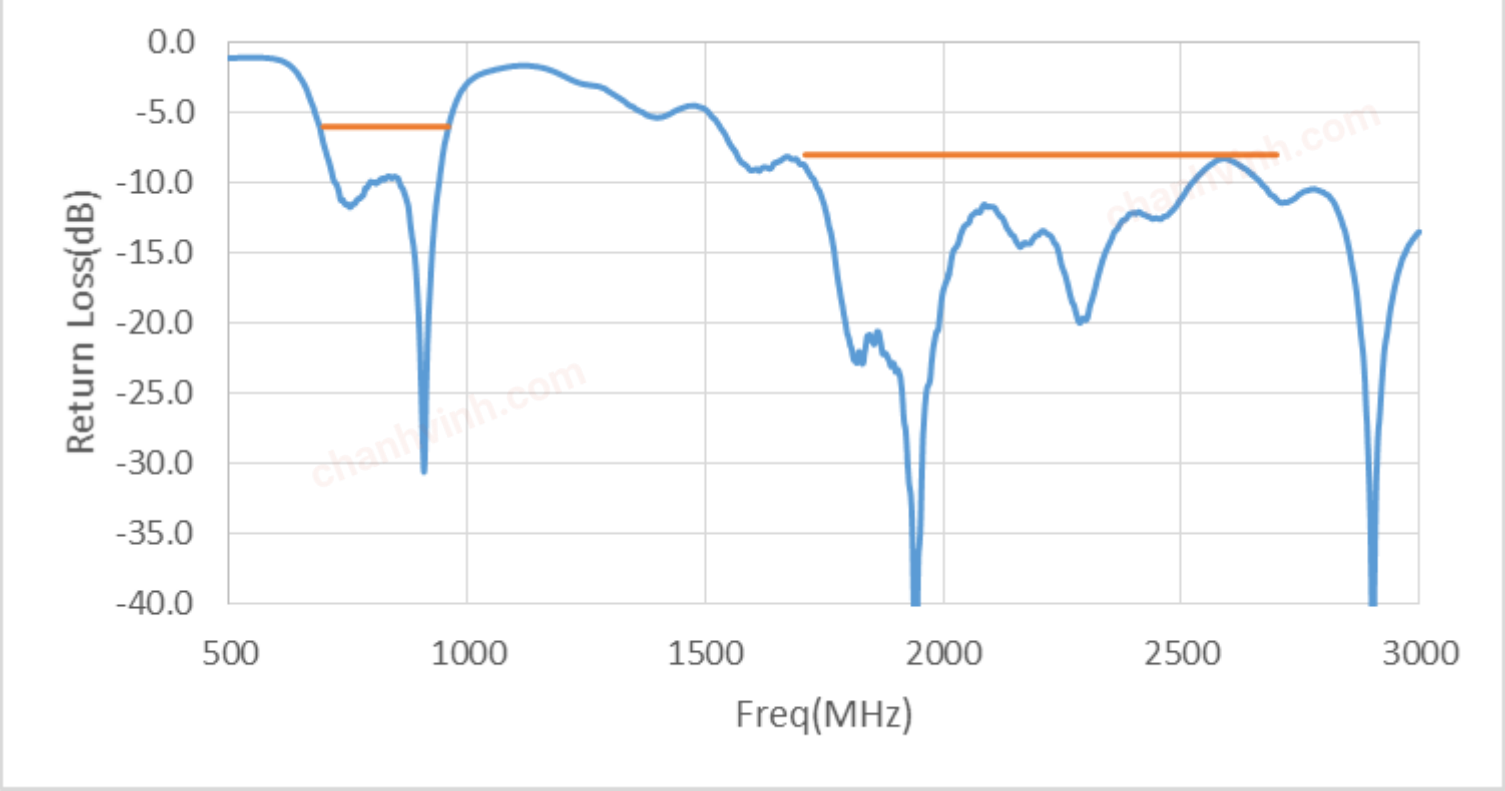
Description : LTE Direct Mount

Series: DISC

PART NUMBER: DSC11001DM

CHARTS

Return Loss



All data test with 500mm length cable

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TECHNICAL DATA SHEET

Description : LTE Direct Mount

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CHARTS

Gain(dBi) and Efficiency(%)



All data test with 500mm length cable

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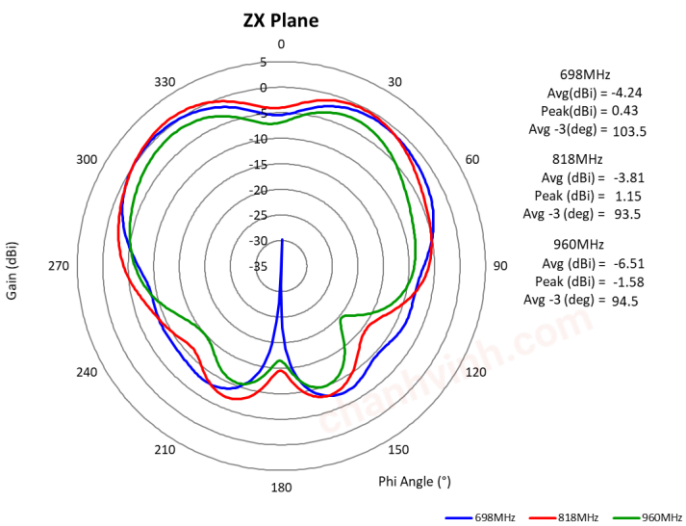
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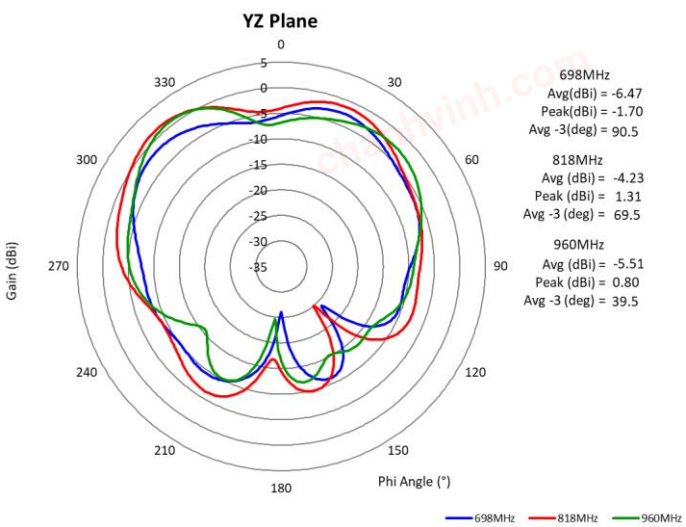
Series: DISC

PART NUMBER: DSC11001DM

CHARTS

Radiation Pattern









All data test with 500mm length cable

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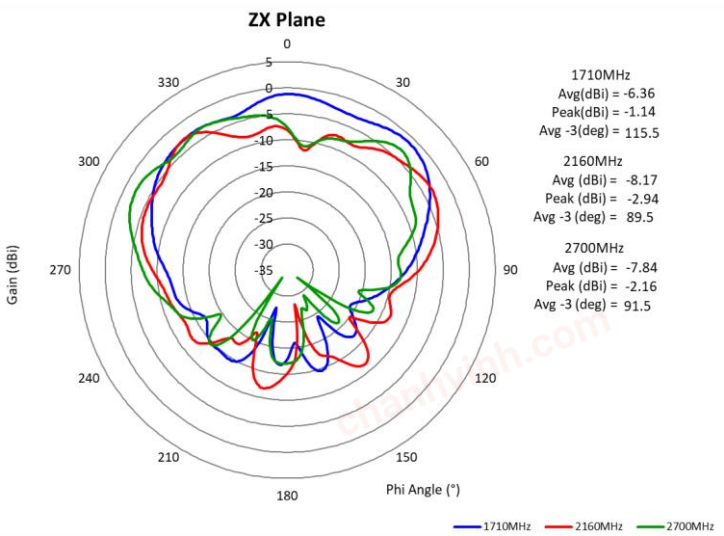
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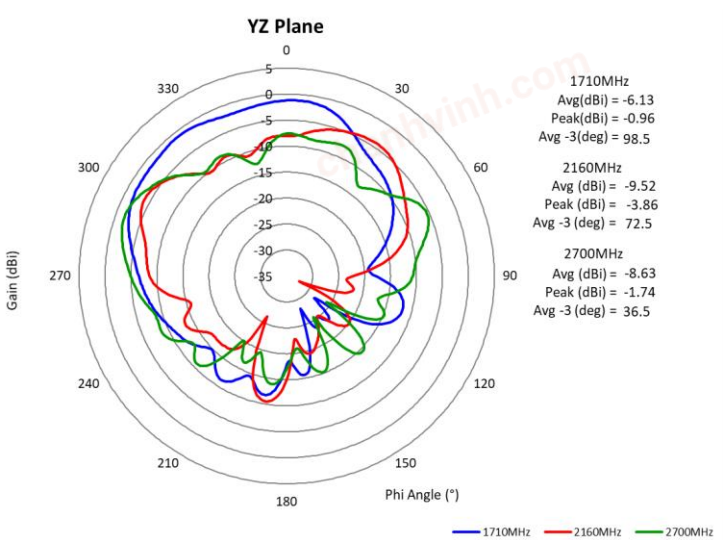
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CHARTS

Radiation Pattern









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Description : LTE Direct Mount

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PACKAGING

1 antenna packed in a foam bag

12 foam bags of antennas packed in a carton

1 label on each carton with part number, description, date code.

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