



Description: Ultra-thin white radome

antenna for i-DAS

PART NUMBER: DASUTWCxxx



Features:

- Ultra-Thin
- White radome
- Industry leading -155 dBc at 2 x 20W (2 x 43dBm) PIM rating
- Covers cellular bands and WiFi from 608 through 2700 MHz
- Available with N, Mini-DIN and 4.3-10 female connector
- RoHS Compliant
- Patent Pending design

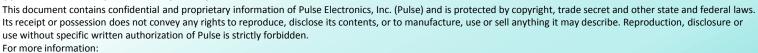
Applications:

- Ultra-Thin structure of products allow installation in places where Aesthetics is important
- White structure of antenna make this product easily camouflage onto ceiling
- · In-building DAS systems requiring best PIM

All dimensions are in mm / inches

Issue:1651

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Europe Headquarters Pulse GmbH & Do, KG Zeppelinstrasse 15 Herrenberg, Germany

Pulse (Suzhou) Wireless Products Co, Inc. 99 Huo Ju Road(#29 Bldg,4th Phase Suzhou New District Jiangsu Province, Suzhou 215009 PR China Tel: 86 512 6807 9998



Description: UltraThin, clear radome

antenna for iDAS

PART NUMBER: DASUTWCxxx

Series: CLARITY

This document covers all product variants of the following product family:

Antenna and accessory products covered in this documents are following:

Pulse Part Number	Connector Type	Reflector
DASUTWC500NF	N Female	Not Included
DASUTWC500MD	4.1-9.5 Mini-DIN Female	Not Included
DASUTWC5004310	4.3-10 DIN Female	Not Included
DASUTWCR500NF	N Female	Included
DASUTWCR500MD	4.1-9.5 Mini-DIN Female	Included
DASUTWCR5004310	4.3-10 DIN Female	Included

Accessory Part Number	Description
DASUTCCACC1	Reflector only (not antenna)



Reflector: DASUTCCACC1





Description: UltraThin, clear radome

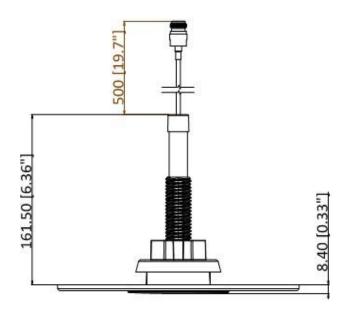
antenna for iDAS

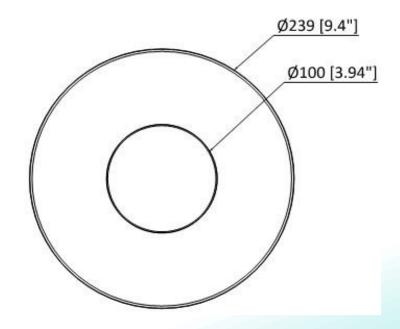
PART NUMBER: DASUTWCxxx

MECHANICAL DRAWING

DASUTWC500NF, DASUTWC500MD and DASUTWC5004310

i.e. antennas without reflector DASUTCCACC1







Description: UltraThin, clear radome

antenna for iDAS

PART NUMBER: DASUTWCxxx

Series: CLARITY

ELECTRICAL SPECIFICATIONS

DASUTWC500NF, DASUTWC500MD and DASUTWC5004310

i.e. antennas without reflector DASUTCCACC1

Frequency	608-960 / 1695-2200 / 2300-2700MHz
Nominal Impedance	50Ω
VSWR (698-960MHz)	2:1
VSWR (1695-2700MHz)	2:1
Average Peak Gain (608-960MHz)	4dBi
Average Peak Gain (1695-2200MHz)	6dBi
Average Peak Gain (2300-2700MHz)	6dBi
Efficiency (608-960MHz)	70%
Efficiency (1695-2200MHz)	65%
Efficiency (2300-2700MHz)	60%
Horizontal plane (th=45deg)	Omni
HPBW Vertical plane (608-960MHz)	100° Typ
HPBW Vertical plane (1695-2200MHz)	130° Typ
HPBW Vertical plane (2300-2700MHz)	130° Typ
Maximum power input	40W
PIM at 2x20W	<-155dBc
Connector type	N-female,
	4.1-9.5 Mini-DIN female or
	4.3-10 DIN female
Cable type	Dia. 0.16" low loss, Low PIM,
	Plenum Rated

Cable length [Inches/mm]

19.7" / 500mm







Description: UltraThin, clear radome

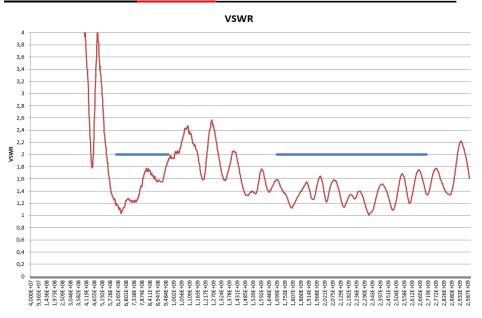
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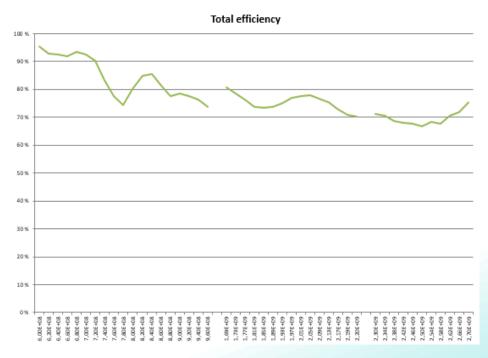
PART NUMBER: DASUTWCxxx

CHARTS

DASUTWC500NF, DASUTWC500MD and DASUTWC5004310

i.e. antennas without reflector DASUTCCACC1













Description: UltraThin, clear radome

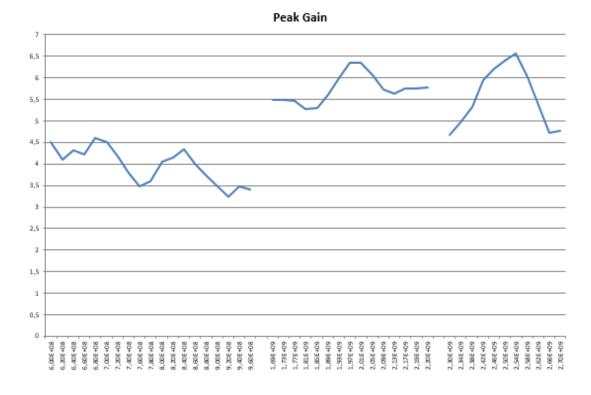
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DASUTWC500NF, DASUTWC500MD and DASUTWC5004310

i.e. antennas without reflector DASUTCCACC1







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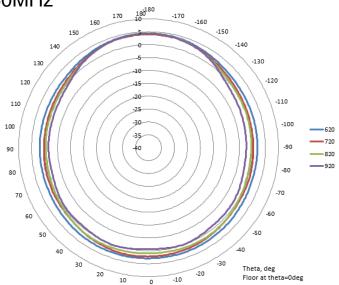
CHARTS

DASUTWC500NF, DASUTWC500MD and DASUTWC5004310

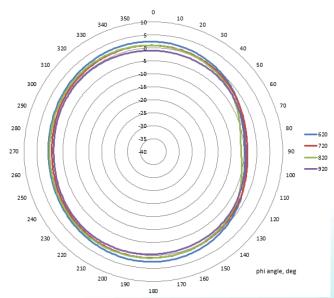
i.e. antennas without reflector DASUTCCACC1

Low band elevation plane

Radiation patterns, 608-960MHz



Low band conical azimuth plane @ 45deg elevation







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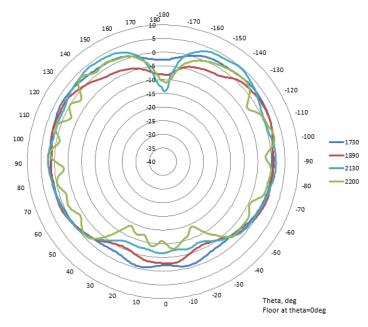
CHARTS

DASUTWC500NF, DASUTWC500MD and DASUTWC5004310

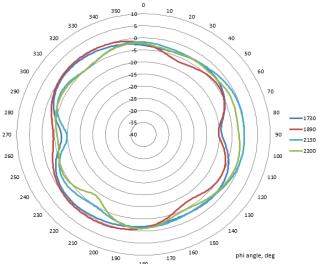
i.e. antennas without reflector DASUTCCACC1

Radiation patterns, 1695-2200MHz

Mid band elevation plane



Mid band conical azimuth plane @ 45deg elevation



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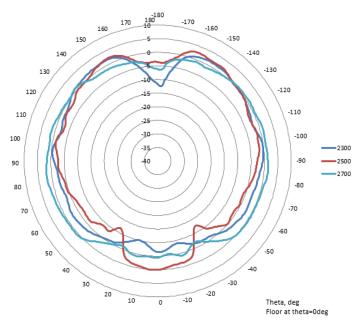
CHARTS

DASUTWC500NF, DASUTWC500MD and DASUTWC5004310

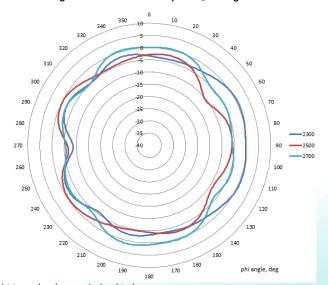
i.e. antennas without reflector DASUTCCACC1

Radiation patterns, 2300-2700MHz

High band elevation plane



High band conical azimuth plane @ 45deg elevation



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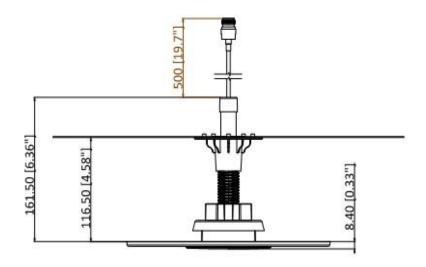
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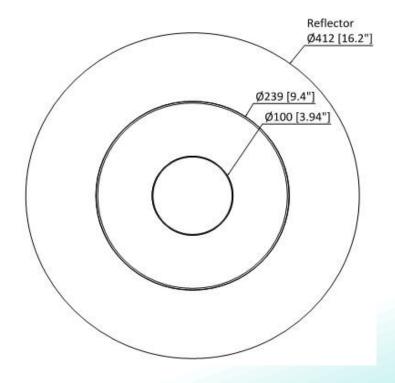
antenna for iDAS

PART NUMBER: DASUTWCxxx

MECHANICAL DRAWING

<u>DASUTWCR500NF, DASUTWCR500MD and DASUTWCR5004310</u> <u>i.e. antennas with reflector DASUTCCACC1</u>





Issue:1651



Description: UltraThin, clear radome

antenna for iDAS

PART NUMBER: DASUTWCxxx

Series: CLARITY

ELECTRICAL SPECIFICATIONS

<u>DASUTWCR500NF, DASUTWCR500MD and DASUTWCR5004310</u> <u>i.e. antennas with reflector DASUTCCACC1</u>

Frequency	608-960 / 1695-2200 / 2300-2700MHz
Nominal Impedance	50Ω
VSWR (698-960MHz)	2:1
VSWR (1695-2700MHz)	2:1
Average Peak Gain (608-960MHz)	7dBi
Average Peak Gain (1695-2200MHz)	7dBi
Average Peak Gain (2300-2700MHz)	5dBi
Efficiency (608-960MHz)	70%
Efficiency (1695-2200MHz)	65%
Efficiency (2300-2700MHz)	60%
Horizontal plane (th=45deg)	Omni
HPBW Vertical plane (608-960MHz)	90° Typ
HPBW Vertical plane (1695-2200MHz)	25° Typ
HPBW Vertical plane (2300-2700MHz)	25° Typ
Maximum power input	40W
PIM at 2x20W	<-155dBc
Connector type	N-female,
	4.1-9.5 Mini-DIN female or
	4.3-10 DIN female
Cable type	Dia. 0.16" low loss, Low PIM,
	Plenum Rated

Issue:1651

ROHS

19.7" / 500mm

Cable length [Inches/mm]





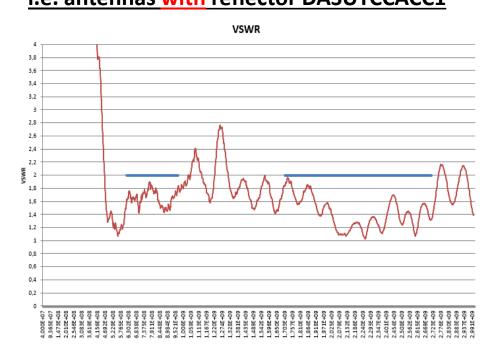
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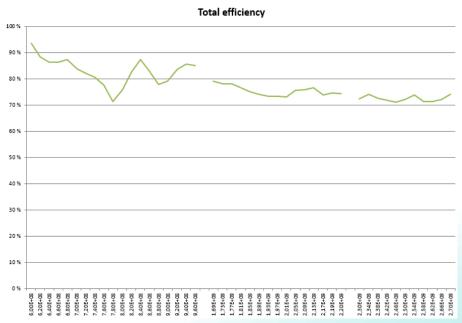
antenna for iDAS

PART NUMBER: DASUTWCxxx

CHARTS

i.e. antennas with reflector DASUTCCACC1





Issue:1651







PulseLARSEN

Series: CLARITY

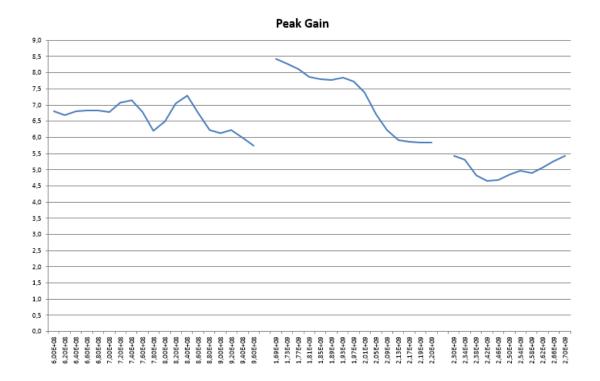
Description: UltraThin, clear radome

antenna for iDAS

PART NUMBER: DASUTWCxxx

CHARTS

<u>DASUTWCR500NF, DASUTWCR500MD and DASUTWCR5004310</u> <u>i.e. antennas with reflector DASUTCCACC1</u>







Description: UltraThin, clear radome

antenna for iDAS

PART NUMBER: DASUTWCxxx

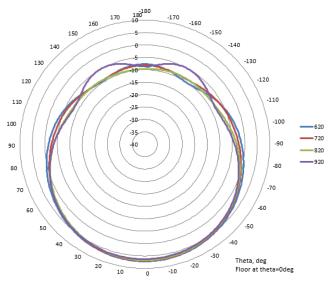
Series: CLARITY

CHARTS

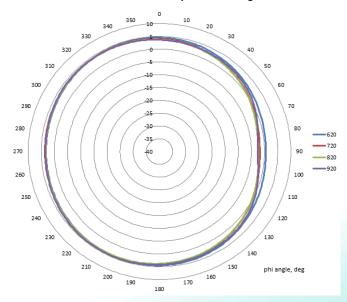
<u>DASUTWCR500NF, DASUTWCR500MD and DASUTWCR5004310</u> <u>i.e. antennas with reflector DASUTCCACC1</u>

Radiation patterns, 608-960MHz

Low band elevation plane



Low band conical azimuth plane @ 45deg elevation





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antenna for iDAS

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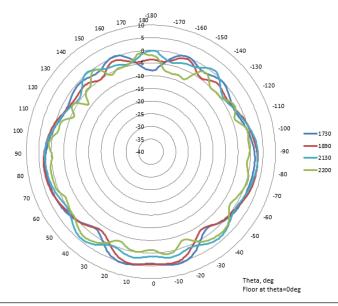
CHARTS

DASUTWCR500NF, DASUTWCR500MD and DASUTWCR5004310

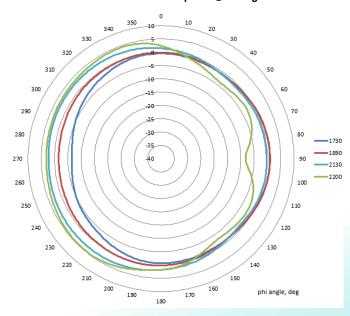
i.e. antennas with reflector DASUTCCACC1

Radiation patterns, 1695-2200MHz

Mid band elevation plane



Mid band conical azimuth plane @ 45deg elevation



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ROHS



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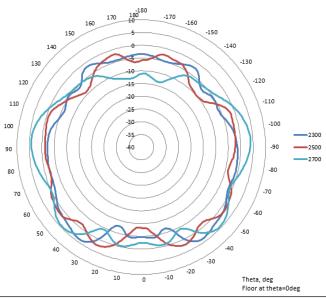
CHARTS

DASUTWCR500NF, DASUTWCR500MD and DASUTWCR5004310

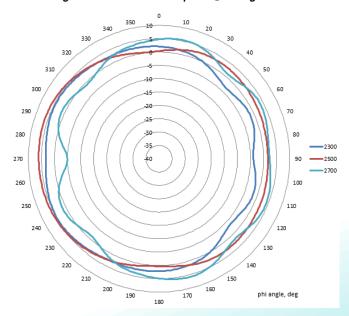
i.e. antennas with reflector DASUTCCACC1

Radiation patterns, 2300-2700MHz

High band elevation plane



High band conical azimuth plane @ 45deg elevation



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ROHS



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antenna for iDAS

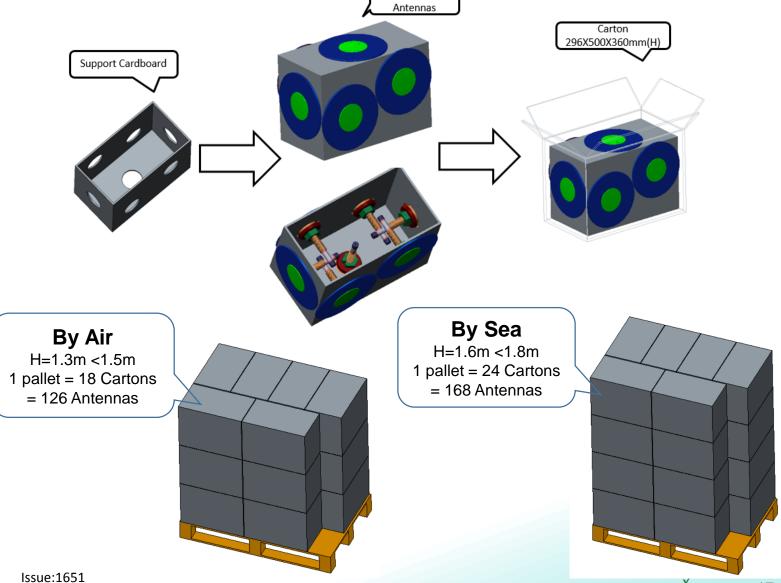
PART NUMBER: DASUTWCxxx

Series: CLARITY

PACKAGING

Pulse Part Number	Reflector	Carton	Pallet
DASUTWC500NF	Not Included	7 Antennas packed in a carton 1 label on each box with quantity, part number, date code.	18 cartons (126 antennas) stack
DASUTWC500MD	Not Included		on 1 pallet by air 24 cartons (168 antennas) stack
DASUTWC5004310	Not Included		on 1 pallet by sea

Insert 7pcs



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ROHS



Description: UltraThin, clear radome

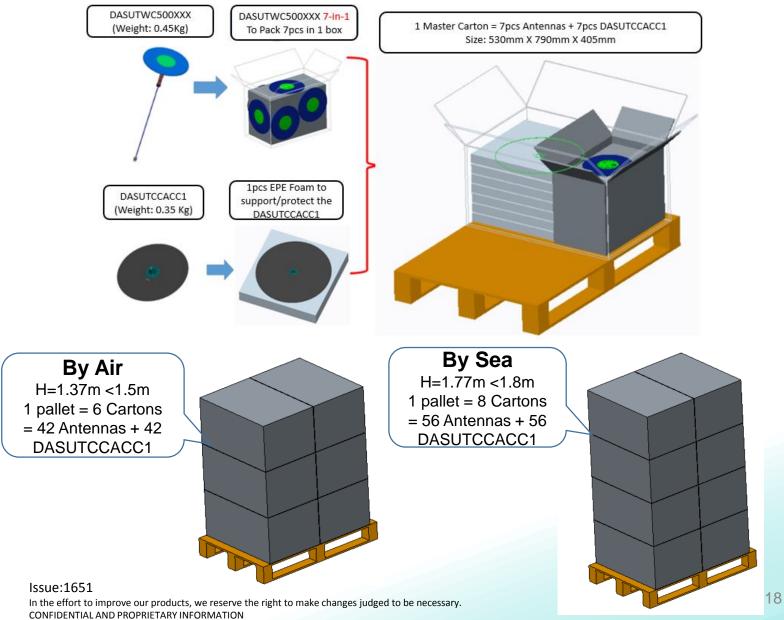
antenna for iDAS

PART NUMBER: DASUTWCxxx

Series: CLARITY

PACKAGING

Pulse Part Number	Reflector	Carton	Pallet
DASUTWCR500NF	Included	7 Antennas and 7 DASUTCCACC1	6 cartons (42 Antennas and 42
DASUTWCR500MD	Included	packed in a master carton 1 label on each box with quantity,	DASUTCCACC1) stack on 1 pallet by air 8 cartons (56 Antennas and 56
DASUTWCR5004310	Included	part number, date code.	DASUTCCACC1) stack on 1 pallet by sea



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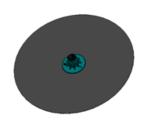
PACKAGING

Accessory Part Number	Carton	Pallet
DASUTCCACC1	16 Reflectors (DASUTCCACC1) packed	4 cartons (64 DASUTCCACC1) stack
	in a carton	on 1 pallet by air
	1 label on each box with quantity, part	6 cartons (96 DASUTCCACC1) stack
	number, date code.	on 1 pallet by sea

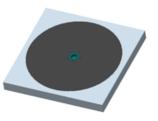
DASUTCCACC1 (Size: Ø411.8mm Weight: 0.35Kg)

1pcs EPE Foam (075-4843.001) to support/protect this reflector

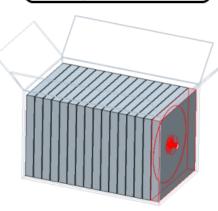
1pcs Carton (079-00424.001) 790X490X500mm to 16pcs DASUTCCACC1





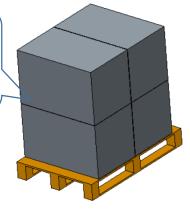






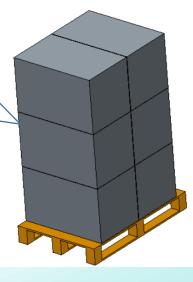
By Air

H=1.2m <1.5m 1 pallet = 4 Cartons = 64 DASUTCCACC1



By Sea

H=1.65m <1.8m 1 pallet = 6 Cartons = 96 DASUTCCACC1





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Description: UltraThin, clear radome

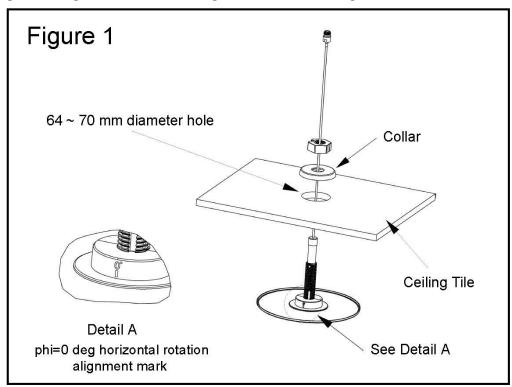
antenna for iDAS

PART NUMBER: DASUTWCxxx

ASSEMBLY

Installation

1. Drill or cut a hole 2.5-2.75 inches (64-70 mm) diameter at the center of the ceiling tile or at the desired location. Slide the antenna cable/connector assembly through the hole. Slide the Collar and Nut onto the cable. Turn the Nut, tightening the antenna against the ceiling tile. See



Note: Fiberboard ceiling tile is soft; tighten the nut just enough to hold the antenna firmly in place.

If using the reflector, thread the reflector onto the Antenna Stem before attaching the connectors. See Figure 2.





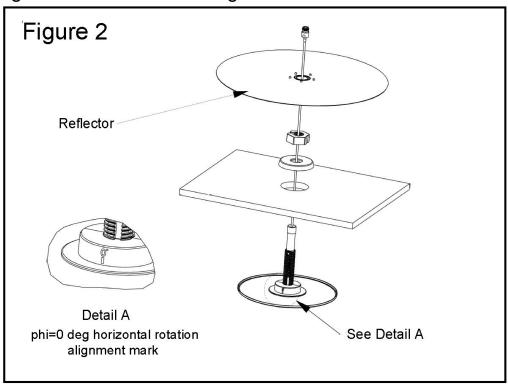
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antenna for iDAS

PART NUMBER: DASUTWCxxx

ASSEMBLY

If using the reflector, thread the reflector onto the Antenna Stem before attaching the connectors. See Figure 2.



ADDITIONAL NOTES:

Some customers may chose to take into consideration the antenna propagation orientation during their planning process. The Horizontal rotation alignment mark (Phi=0 deg), along with data from iBwave file will support this.

For Optimum Performance, Metal ceiling rails need to be a minimum 200mm from the - antenna center as the antenna requires 400mm x 400mm space free of any metal.

N Female: Maximum Torque 6.2-9.74 in-lbs (0.7-1.1Nm)

Mini-DIN: Maximum torque 12-16 ft Lbs (17-22Nm) 4.3-10 DIN: Maximum torque 45-70 in-lbs (5-8Nm)

单击下面可查看定价,库存,交付和生命周期等信息

>>Pulse(普思)