

Material/Component Specification

Part Number	Revision	Description	UOM
NV1511	A	ANTENNA, DUAL BAND 802.11A/B/G/N	EA

Purchasing Information

MFG/DISTR Name		MFG/DISTR P/N	
AMP - TE CONNECTIVITY	Check as applicable: MFG ☒ DISTR ☐	1513472-1	Check if applicable: ☐ or equivalent
NEWARK	Check as applicable: MFG ☐ DISTR ☒	35AC8587	Check if applicable: ☐ or equivalent

Description (critical information, e.g. size, material, tolerance or other parameters; font, margin, paper type, etc.)

2.4GHz, 5.5GHz Bluetooth, Wi-Fi, WLAN, Zigbee™ Module RF Antenna 2.4GHz ~ 2.483.5GHz, 5.15GHz ~ 5.875GHz 3dBi Cable (360mm) - U.FL Panel Mount

ALL COMPONENTS AND MATERIALS TO BE COMPLIANT TO EU RoHS DIRECTIVE (2011/65/EU AND ITS SUBSEQUENT AMENDMENTS).

Special Instructions (special handling requirements, refrigeration, exposure to sunlight, packaging etc.)

Certificate of conformance shall accompany all parts.

Inspection Criteria (consult with QA)

This item is a standard catalog item, commercially available component. No QC inspection required

Revision History

ECN	Rev.	Reason for Change	Effective Date
103961	A	Release to production with no change from 01	06/12/2018

REVOLUTIONS			
P	LTW	DESCRIPTION	DATE
B3		REMOVE -21 AND -22 ASSY'S	28APR2017
F		REVISED PER ECO-17-014200	28SEP2017
G		ADDED 2--4; 2--5 ECO-18-001995	30JAN2018
H		REVISED PER ECO-18-003884	12MAR2018

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NOTES: UNLESS OTHERWISE SPECIFIED.

1. MINI COAX CABLE DIAMETER 1.13 mm TERMINATED WITH U.FL CONNECTOR OR MHF4L SEE TABLE.

2. PRODUCT AND PROCESSING MEETS REQUIREMENTS OF TE CONNECTIVITY ENVIRONMENTAL STANDARD TEC-138-702.

3. 4 DIGIT DATE CODE

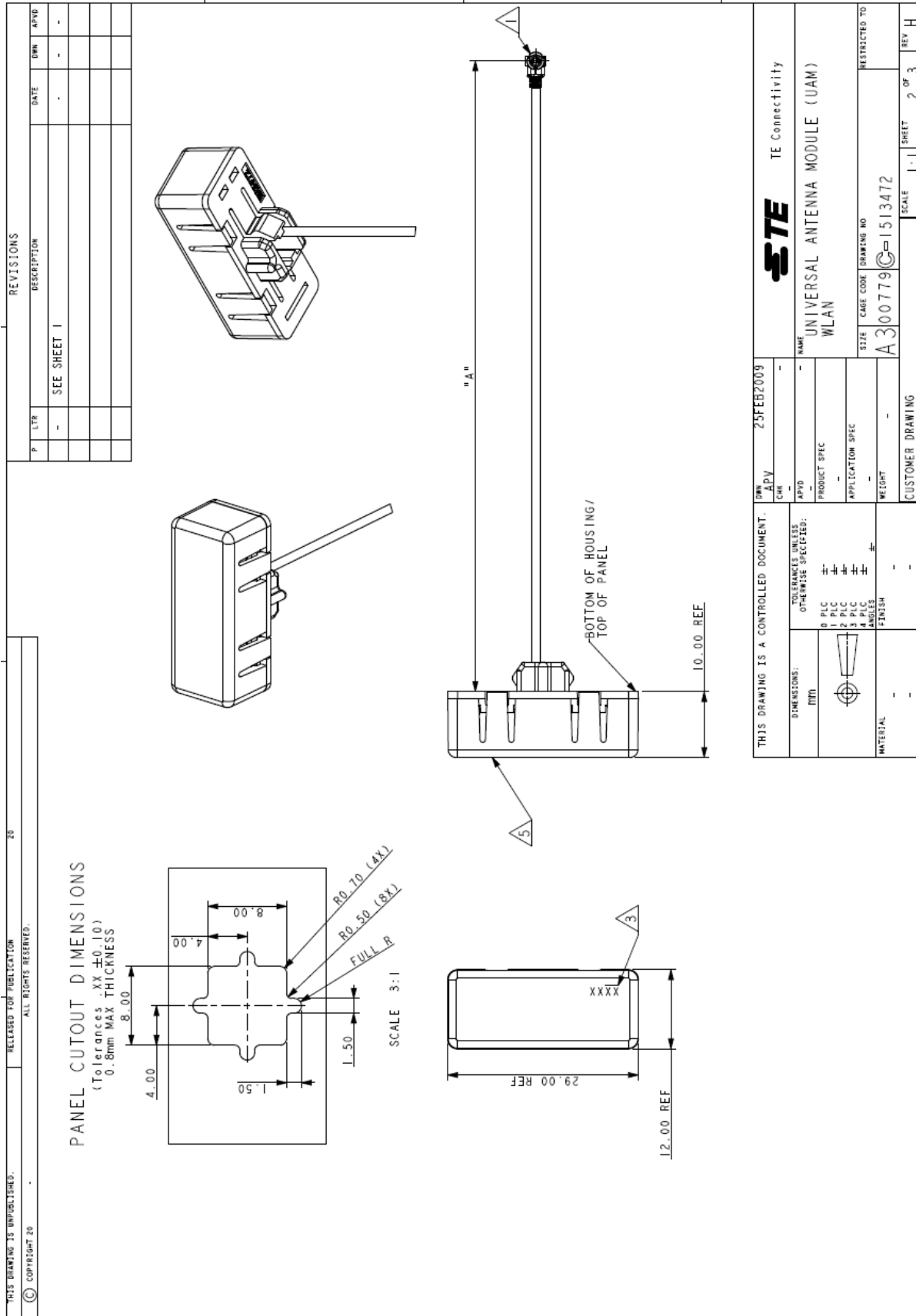
4. FOR DESIGNS UTILIZING 1513472-1 OR 1513472-5 PLEASE SEE TYCO ELECTRONICS DS1513472-1 OR DS1513472-5 RESPECTIVELY.

5. FOAM LOCATED INTERNAL ABOVE ANTENNA ELEMENT.

-	-	500±5.0	GRAY	UAM W MHF4L	2-1513472-5
-	-	500±5.0	BLACK	UAM W MHF4L	2-1513472-4
-	-	600±5.0	BLACK	UAM W MHF4L	2-1513472-3
-	-	210±5.0	BLACK	UAM W MHF4L	2-1513472-0
-	-	85±5.0	GRAY	UAM W MHF4L	1-1513472-9
-	-	210±5.0	BLACK	UAM W U.FL	1-1513472-8
5	5	360±5.0	BLACK	UAM W U.FL+FOAM	1-1513472-7
-	-	250±5.0	BLACK	UAM W U.FL+FOAM	1-1513472-6
-	-	270±5.0	BLACK	UAM W MHF4L	1-1513472-5
-	-	130±5.0	GRAY	UAM W MHF4L	1-1513472-4
-	-	360±5.0	BLACK	UAM W MHF4L	1-1513472-3
-	-	80±5.0	BLACK	UAM W U.FL	1-1513472-2
-	-	345±5.0	BLACK	UAM W U.FL W PROT-TUBE	1-1513472-0
-	-	235±5.0	WHITE	UAM W U.FL	1513472-9
-	-	250±5.0	BLACK	UAM W U.FL	1513472-8
-	X	590±10.0	BLACK	UAM W U.FL+HS SHEET3	1513472-7
-	-	265±5.0	BLACK	UAM W U.FL	1513472-6
-	-	360±5.0	BLACK	UAM W U.FL	1513472-5
-	-	595±5.0	BLACK	UAM W U.FL	1513472-1
FOAM	HEAT SHRINK	CABLE LENGTH "A"	CABLE COLOR	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DATE	25FEB2009	TE Connectivity
APV		
CHK		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		
0 PLC	±	
1 PLC	±	
2 PLC	±	
3 PLC	±	
4 PLC	±	
ANGLES	±	
FINISH		
MATERIAL		
DIMENSIONS:		
UNIT		
PRODUCT SPEC		
APPLICATION SPEC		
WEIGHT		
CUSTOMER DRAWING		
NAME	UNIVERSAL ANTENNA MODULE (UAM) WLAN	
SIZE	CAGE CODE	DRAWING NO
A300779	C=1513472	RESTRICTED TO
SCALE	1:1	SHEET 1 OF 3
REV		H



2400 –2483.5 & 5150 –5875 MHz Dual Band Antenna
(802.11 a/b/g/n, includes frequencies of Bluetooth, ZigBee, and Wi-Fi products)

Part Number: 1513472-5

Product Facts

- Universal antenna module assembly.
- RoHS compliant

Recommendations

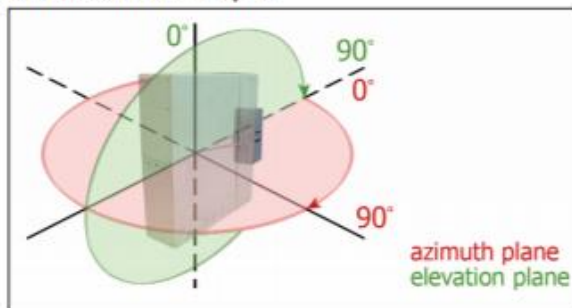
- Antenna is to be mounted on a metal chassis.
- Panel thickness must be between .8mm and 1mm.
- Performance and bandwidth is dependant on chassis size.



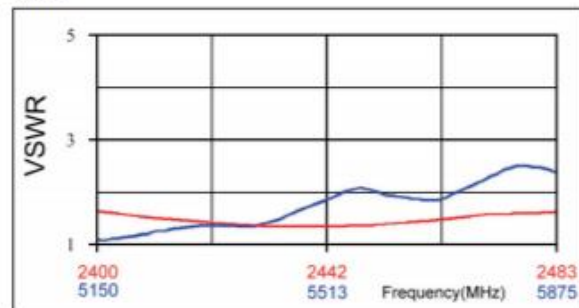
Specifications

Frequency Range (MHz)	2400 –2483.5; 5150 –5875
Peak Gain	3 dBi
VSWR	<3.0:1
Polarization	Linear
Power Handling	10 Watt cw
Feed Point Impedance	50 Ohms unbalanced
Size	29.00 mm x 12.00 mm x 10.00mm
Weight	< 5.5 g.
Mounting	Universal Antenna Module
Keep Out Area	See diagram on page 2
Cable / Connector	360 mm length. 1.13 mm dia. with U.F.I connector
Note	Data shown was taken on a nominal size metal chassis

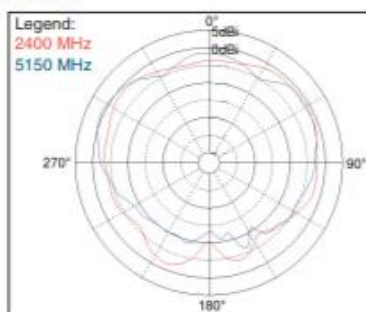
Test Orientation in Free Space



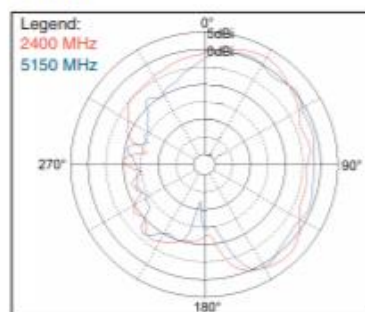
VSWR



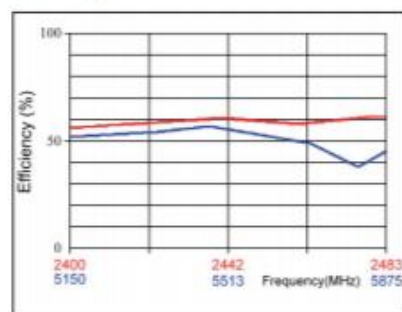
Azimuth



Elevation



Efficiency



Catalog 4-1773459-0
Revised 03-11

www.te.com
www.antenna.te.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

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Canada: 1-905-475-6222
Germany: +49 (0) 6251-133-1999
For other country number go to te.com/supportcenter

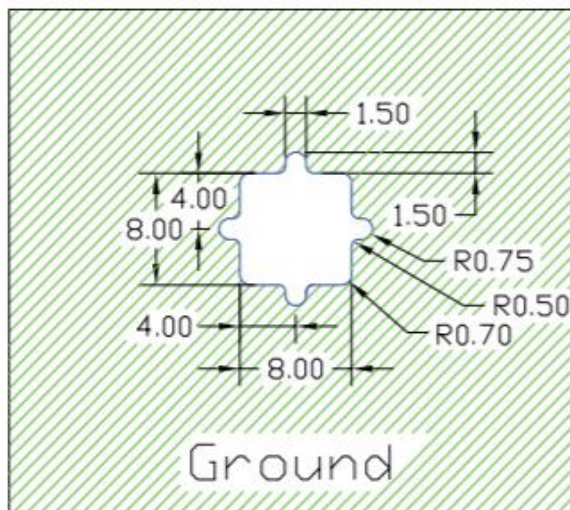
UK: +44 (0) 800-267666
Netherlands: +31 (0) 73-6246-999
China: +86 (0) 400-820-6015

2400 –2483.5 & 5150 –5875 MHz Dual Band Antenna
(802.11 a/b/g/n, includes frequencies of Bluetooth, ZigBee, and Wi-Fi products)

Part Number: 1513472-5

Mounting Guide

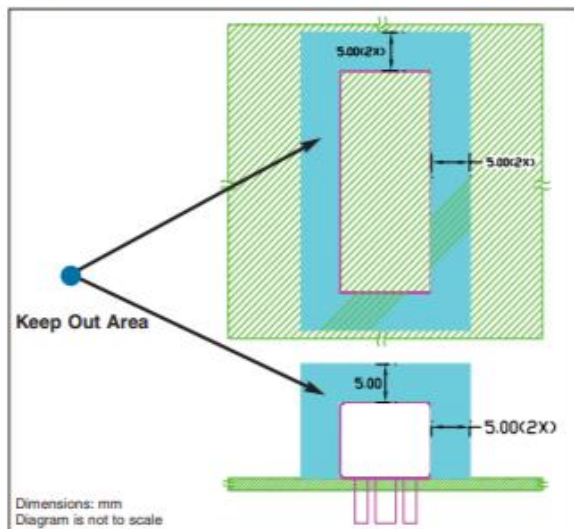
NOTE:
Panel thickness must be between
0.8 mm and 1 mm.



NOTES: 1. Antenna must be mounted on a metal chassis.
2. For more information please call TE.

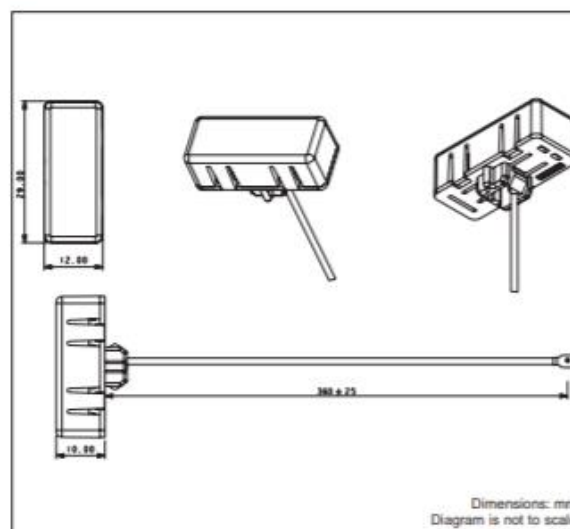
Dimensions: mm
Diagram is not to scale

Keep Out Area



Dimensions: mm
Diagram is not to scale

Approx. Dimensions



Dimensions: mm
Diagram is not to scale

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Consult TE for the latest dimensions and design specifications.

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