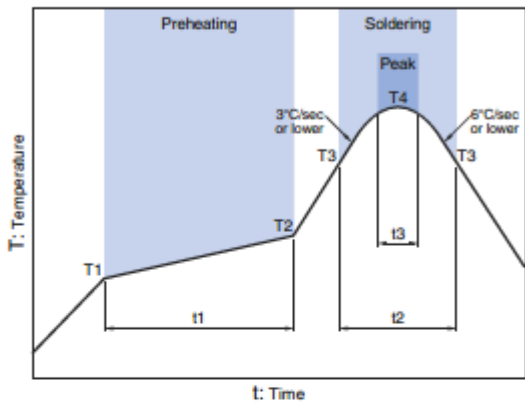




RECOMMENDED REFLOW PROFILE



Preheating			Soldering			
			Critical zone (T3 to T4)		Peak	
Temp.		Time	Temp.	Time	Temp.	Time
T1	T2	t1	T3	t2	T4	t3*
150°C	200°C	60 to 120sec	217°C	60 to 120sec	240 to 260°C	30sec max.

* t3 : Time within 5°C of actual peak temperature
The maximum number of reflow is 3.

* All specifications are subject to change without notice



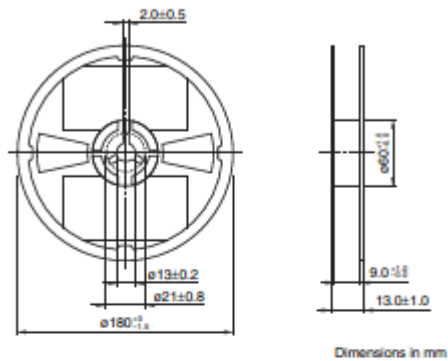
RF Components

TDK

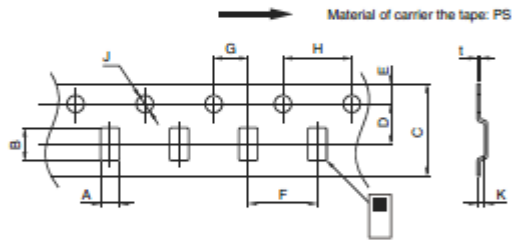
ANT016008LCS2442MA2

PACKAGING STYLE

REEL DIMENSIONS



TAPE DIMENSIONS



Dimensions in mm										
A	B	C	D	E	F	G	H	J	K	t
0.97±0.05	1.8±0.05	8.0±0.2	3.5±0.05	1.75±0.1	4.0±0.1	2.0±0.05	4.0±0.1	1.5+0.1/-0	0.55max.	0.25±0.05

PACKAGE QUANTITY

Standard package quantity (pieces/reel)
4,000

• All specifications are subject to change without notice.
• Before using these products, be sure to request the delivery specifications.

REMINDERS FOR USING THESE PRODUCTS

Before using these products, be sure to request the delivery specifications.

SAFETY REMINDERS

Please pay sufficient attention to the warnings for safe designing when using these products.

REMINDERS

The products listed on this catalog are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition.

The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property.

Please understand that we are not responsible for any damage or liability caused by use of the products in any of the applications below or for any other use exceeding the range or conditions set forth in this catalog.

- | | |
|---|--|
| (1) Aerospace/Aviation equipment | (8) Public information-processing equipment |
| (2) Transportation equipment (cars, electric trains, ships, etc.) | (9) Military equipment |
| (3) Medical equipment | (10) Electric heating apparatus, burning equipment |
| (4) Power-generation control equipment | (11) Disaster prevention/crime prevention equipment |
| (5) Atomic energy-related equipment | (12) Safety equipment |
| (6) Seabed equipment | (13) Other applications that are not considered general-purpose applications |
| (7) Transportation control equipment | |

When using this product in general-purpose applications, you are kindly requested to take into consideration securing protection circuit/equipment or providing backup circuits, etc., to ensure higher safety.

- All specifications are subject to change without notice.
- Before using these products, be sure to request the delivery specifications.

20160926 / rf_ant_ant016008lcs2442ma2_summary

2.8 INTERFERENCE PREVENTION FUNCTION

2.8.1 Specification Reference

Radio Ordinance of MPT No. 37, 1981 Article 2 Paragraph 1 Item (19) ARIB STD-T66 V3.8 Clause 3.4(1)

2.8.2 Requirement

The interference prevention requirement is a requirement that client devices should send an identification code to the master device in order to identify itself as a valid or authorized client.

It must be demonstrated with either a photograph or a screen capture that the device which needs to be certified transmits a MAC address (in the case of BT+EDR, BLE, Wi-Fi or ZigBee devices) consisting of 48 bits.

2.8.3 Equipment Under Test and Modification State

Serial No: H4 / Default Test Configuration

2.8.4 Date of Test/Initial of test personnel who performed the test

April 16, 2025 / JS

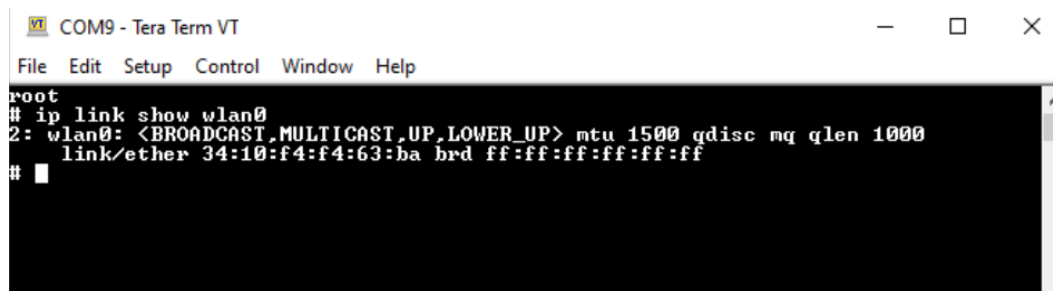
2.8.5 Test Results

The manufacturer provided instructions on how to verify the MAC address.

2.8.6 Additional Observations

- When the laryngoscope powers on it opens its access point and begins emitting an IR signal containing information related to the access point name and password
- A nearby module receives the IR message, calculates the access point credentials based on IR message contents, and connects to the laryngoscope's access point using the calculated credentials
- If connection is unexpectedly interrupted, a 10 sec buffer period is implemented to allow for automatic reconnection. If devices don't reconnect in this time period then the connection process starts over (module needs to receive an IR message to connect again)

2.8.7 Verification Screenshot



```
COM9 - Tera Term VT
File Edit Setup Control Window Help
root
# ip link show wlan0
2: wlan0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq qlen 1000
    link/ether 34:10:f4:f4:63:ba brd ff:ff:ff:ff:ff:ff
#
```



SECTION 3

TEST EQUIPMENT USED

3.1 Test Equipment Used

List of absolute measuring and other principal items of test equipment.

ID Number (SDGE/SDR B)	Test Equipment	Type	Serial Number	Manufacturer	Cal. Method	Cal Date	Cal Due Date
	Conducted Port Setup						
7582	Signal/Spectrum Analyzer	FSW26	101614	Rohde & Schwarz	(c)	04/02/25	04/02/26
7643	Signal/Spectrum Analyzer	FSV30	1321.3008K 30/103166	Rohde & Schwarz	(c)	04/02/25	04/02/26
7655	Vector Signal Generator	SMBV100A	260734	Rohde & Schwarz	(c)	04/02/25	04/02/26
7654	Signal Generator	SMB 100A	175750	Rohde & Schwarz	(c)	02/05/25	02/05/26
7656	OSP with B157	OSP120	101310	Rohde & Schwarz	(c)	02/05/25	02/05/26
8825	20dB Attenuator	46-20-34	BK5773	Weinschel Corp.	(c)	Verified by 7643 and 7654	
8832	20dB Attenuator	34-20-34	BP4150	MCE/Weinschel	(c)	Verified by 7643 and 7654	
	Miscellaneous						
41534	RF cable	W17.03	N/A	Pasternack	-	03/04/25	03/04/26
a)	Calibration conducted by the National Institute of Information and Communications Technology(NICT)(hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1)						
b)	Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)						
c)	Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1)						
d)	Calibration conducted by using measuring instruments and other equipment listed in the right column of Table No. 3 attached hereto, which shall have been given any of calibration, etc. listed above from a) to c)						

3.2 Measurement Uncertainty

Calculation of Measurement Uncertainty per CISPR 16-4-2:2011 with Corr. 1

	Input Quantity (Contribution) X_i	Value	Prob. Dist.	Divisor	$u_i(x)$	$u_i(x)^2$
1	Receiver reading	0.10 dB	Normal, k=1	1.000	0.10	0.01
2	Cable attenuation	1.00 dB	Normal, k=2	2.000	0.50	0.25
3	Receiver sinewave accuracy	0.09 dB	Normal, k=2	2.000	0.05	0.00
4	Receiver pulse amplitude	0.00 dB	Rectangular	1.732	0.00	0.00
5	Receiver pulse repetition rate	0.00 dB	Rectangular	1.732	0.00	0.00
6	Noise floor proximity	0.00 dB	Rectangular	1.732	0.00	0.00
7	Frequency interpolation	0.10 dB	Rectangular	1.732	0.06	0.00
8	Mismatch	0.07 dB	U-shaped	1.414	0.05	0.00
Combined standard uncertainty				Normal	0.52 dB	
Expanded uncertainty				Normal, k=2	1.04 dB	



SECTION 4

ACCREDITATION, DISCLAIMERS AND COPYRIGHT



4.1 Accreditation, Disclaimers and Copyright

TÜV SÜD America Inc.'s reports apply only to the specific sample tested under stated test conditions. It is the manufacturer's responsibility to assure the continued compliance of production units of this model. TÜV SÜD America, Inc. shall have no liability for any deductions, inferences or generalizations drawn by the client or others from TÜV SÜD America, Inc.'s issued reports.

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