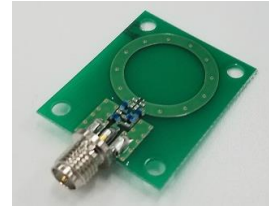


**UHF Short Range Antenna
for LXRFZZUAAA-027/030/032
LXRFZZUCCA-036(JP/US) / 037(EU)**



1. General Descriptions

LXRFZZUCCA-036(JP/US) and LXRFZZUCCA-037(EU) are UHF short range antenna for UHF RFID reader writer module, LXRFZZUAAA-027/030/032.



[Features]

- Optimized antenna design for Murata tag

Read range measured with Murata's tags

Product Name	IC	Size[mm]	Read Range[mm]
LXMS21NCNH-147	NXP G2iM	2.0 x 1.2 x 0.55	10

- FCC / IC / ETSI / Japan Radio law certified device
FCC ID: VPYLXRF032, IC: 772C-LXRF032, JP: 007-AF0012, CE Mark is acquired
- SMA connection (reverse polarity)
- Related product name

	EU	JP	US
Evaluation Kit*	LXRFZZUAAA-029	LXRFZZUAAA-031	LXRFZZUAAA-033
Reader writer	LXRFZZUAAA-027	LXRFZZUAAA-030	LXRFZZUAAA-032
Short Range Antenna	LXRFZZUCCA-037	LXRFZZUCCA-036	LXRFZZUCCA-036
Long Range Antenna	LXRFZZUCCA-035	LXRFZZUCCA-034	LXRFZZUCCA-034
Interface Board	LXRFZZUBBA-042		

*A reader writer, a short range antenna, a long range antenna, an interface board, cables and sample tags are included in Evaluation Kit.

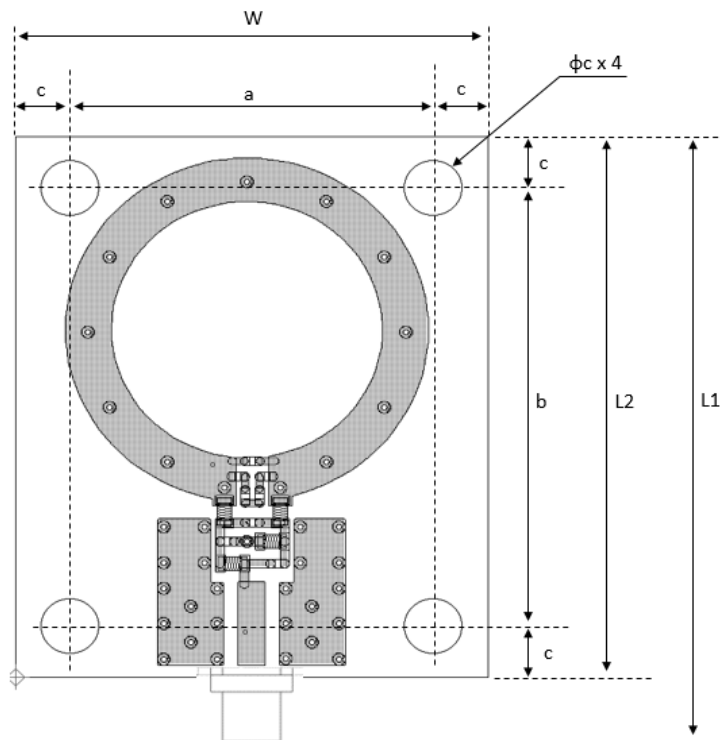
**UHF Short Range Antenna
for LXRFZZUAAA-027/030/032
LXRFZZUCCA-036(JP/US) / 037(EU)**



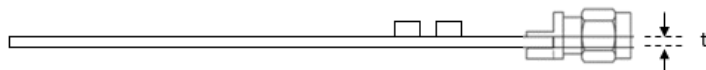
2. Mechanical Information

2.1 Dimensions and Connector Information

<Top View>



<Side View>



Mark	Size	Mark	Size	Mark	Size
L1	44.5 +/- 2.0	b	25.5 +/- 0.2	t	0.8 +0.2 / -0.1
L2	31.5 +/- 0.3	c	3.0 +/- 0.2		
W	26.0 +/- 0.3	φc	3.2 +/- 0.1		
a	20.0 +/- 0.2				

Connector type : RP-SMA(female)

Preliminary
< Specification may be changed by Murata without notice >
Murata Manufacturing Co., Ltd.

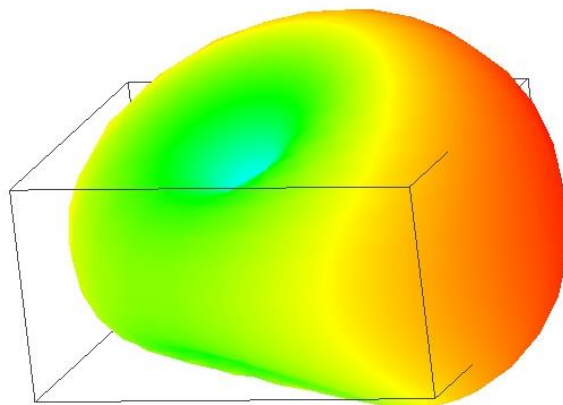
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**UHF Short Range Antenna
for LXRFZZUAAA-027/030/032
LXRFZZUCCA-036(JP/US) / 037(EU)**



3. Characteristics

3.1 Radiation Pattern



*This is a radiation pattern of magnetic field

3.2 Ratings

3.2.A Limiting values

parameter	Symbol	Limiting values		Unit
		Min	Max	
Storage temperature	T _{STG}	-25	+85	°C

3.2.B Operation condition

Parameter	Symbol	Min	Typ	Max	Unit
Ambient Temperature	T _{amb}	-25	25	+65	°C

Preliminary
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V0.1 June 2017

**UHF Short Range Antenna
for LXRFZZUAAA-027/030/032
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3 Packaging

3.1 Quantities per 1 tray

T.B.D. / Tray

3.2 Quantities per 1 carton

T.B.D. / Carton

3.3 Minimum order quantity

T.B.D.

4 Contact Information

URL : <http://www.murata.com/en-global/products/rfid>

For any inquiries, please feel free to contact us.