

LTE Antenna

Part Number:C-2RA1A

35*15 mm
RoHS/RoHS II Compliant

Features

- Operates in 1810-2000 MHz
- VSWR 2
- Vertical polarization
- High gain of 1.64 dBi

Applications

- LTE radios
- Gateways
- Set-Top Boxes
- Security
- Transportation
- Smart agriculture

Electrical Characteristics

Parameters	Min.	Typ.	Max.	Units	Notes
Frequency Range	1810		2000	MHz	
	/		/	MHz	
	/		/	MHz	
VSWR	1.6		2.4		
Polarization Model	Vertical				
Impedance		50		Ω	
Gain		1.64		dBi	
Azimuth	Omni-directional				
Power Handling Capacity	50			W	
Lighting Protection	Direct Current earth				

Mechanical Characteristics

Parameters	Description	Note
Connector	/	
Cable Type	/	Inside the enclosure, 50 Ω
Radiator	Cuprum	
Enclosure	/	
Base	/	
Radom Color	Black	

Environmental Characteristics

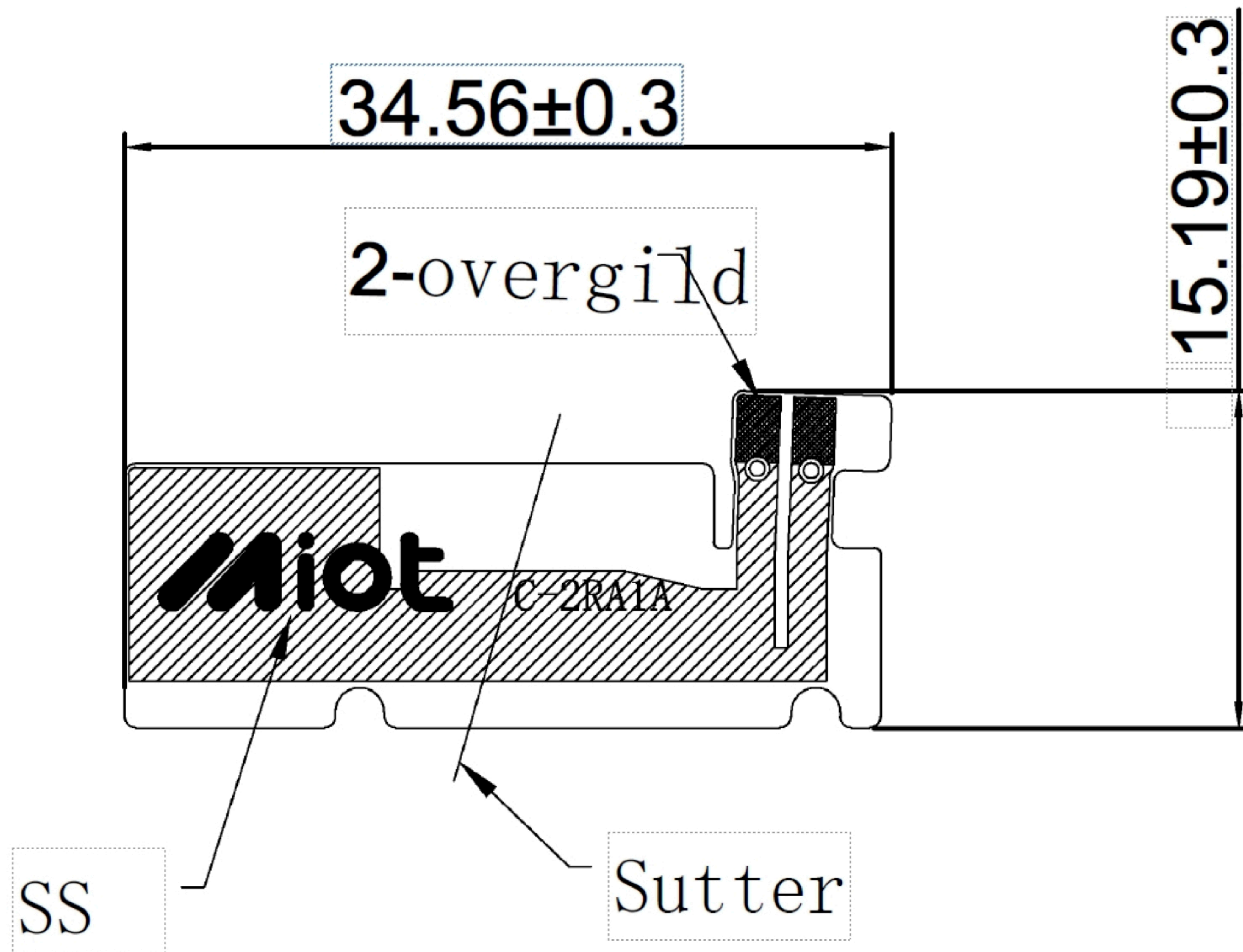
Parameters	Description	Note
RoHS Compliant	Yes	
MSL	N/A	
Operating temperature	-40 °C to +85 °C	
Storage temperature	-40 °C to +85 °C	

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Product size



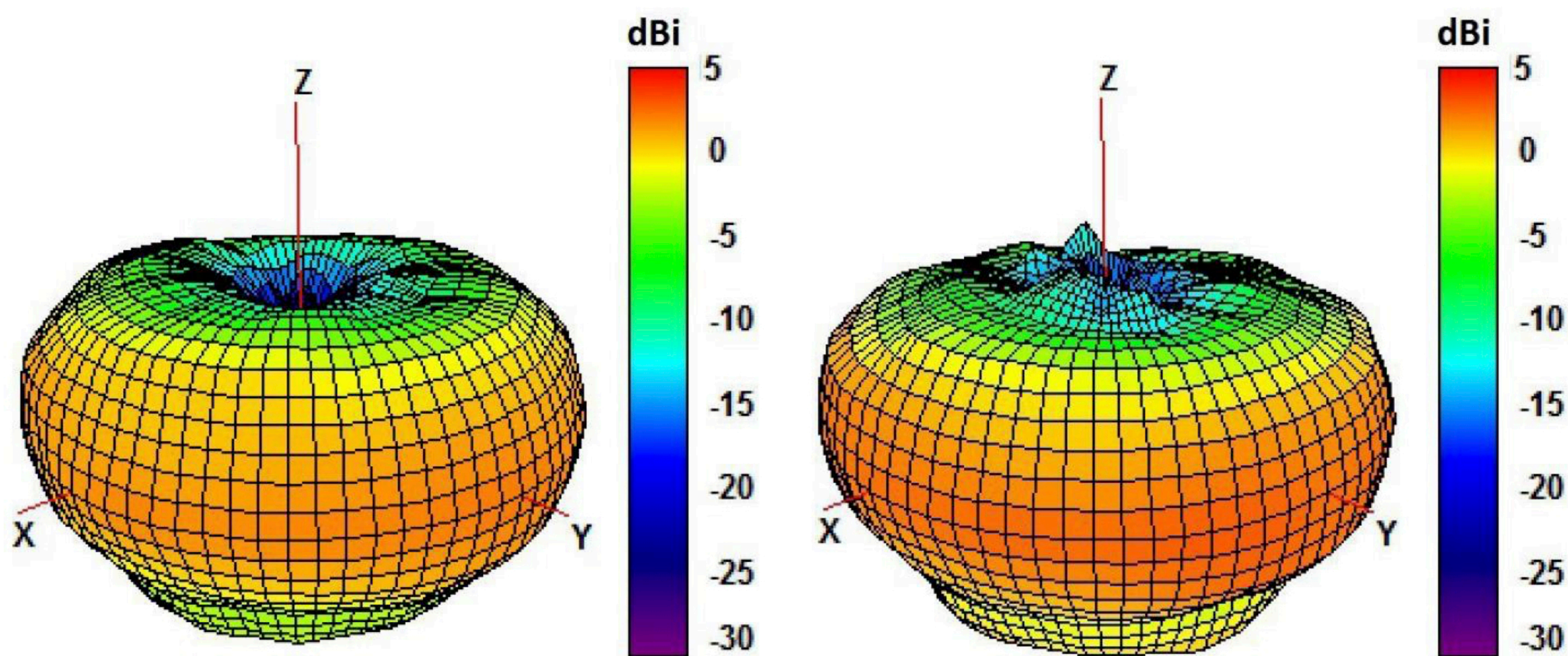
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Radiation Patterns

3D – Pattern



1850 and 1950 MHz Radiation pattern



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Antenna parameters

Frequency (MHz)	Efficiency	Gain (dBi)
1830	31%	0.9
1870	32%	0.7
1900	35%	1.64
1930	37%	1.6
1990	35%	1.5



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Packaging

TBD

Caution:

- (1) Do not apply excess mechanical stress to the component body or terminations. Do not attempt to re-form or bend the components as this will cause damage to the component.
- (2) Do not expose the component to open flame.
- (3) This specification applies to the functionality of the component as a single unit. Please ensure the component is thoroughly evaluated in the application circuit.