

L-MI715-C

DIP LTE antenna



Overview

L-MI715-C is a metal-pressed molded plug antenna. It has a small size, is easy to install, and boasts excellent performance.

Outstanding performance

MAX Efficiency 70%;

MAX Gain 4.9 dBi

Key Features

- ✓ Self contained reference ground level
- ✓ DIP connector
- ✓ Full directional radiation surface
- ✓
- ✓

Applications

- ✓ Mobile Terminal
- ✓ Environmental monitoring
- ✓ Radio
- ✓ Smart Network
- ✓

1 Specifications

Electrical Specifications

Frequency Range (MHz)	700~900, 1710~2170
Efficiency (%)	≤70
Peak Gain (dBi)	< 4.9
VSWR	≤5.0
Impedance (Ω)	50
Polarization	Line
Radiation Direction	Omnidirectional

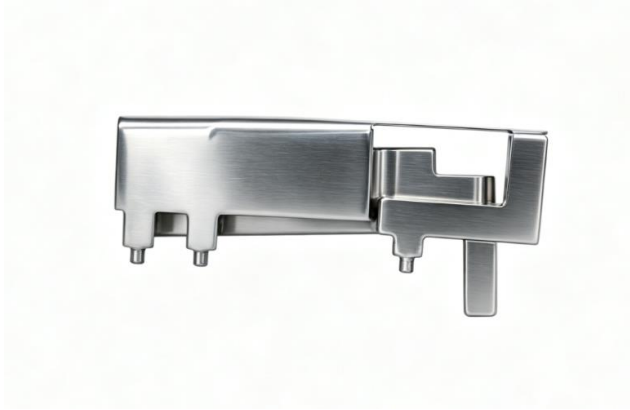
Mechanical Specifications

Mounting Type	DIP
Connector Type	///
Material	Nickel-copper
Dimensions (mm)	42*42
Cable Length (mm)	///
Operating Temperature	-40°~80°
Storage Temperature / Humidity	15~25°; 40–60%RH

Caution:

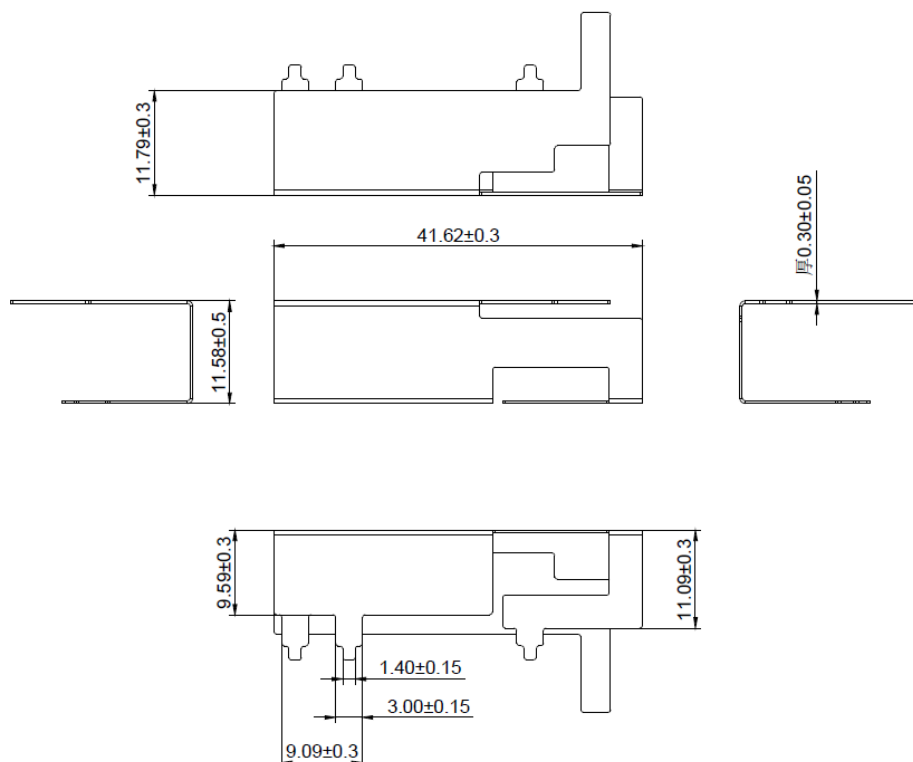
1. Avoid applying excessive mechanical stress to the component body or terminals; do not bend or re-form the part.
2. Do not expose the component to open flames.
3. Specifications apply to the component as a single unit; verify performance in the actual application circuit.

2 Antenna Appearance



3 Mechanical Drawing

- Unit : mm

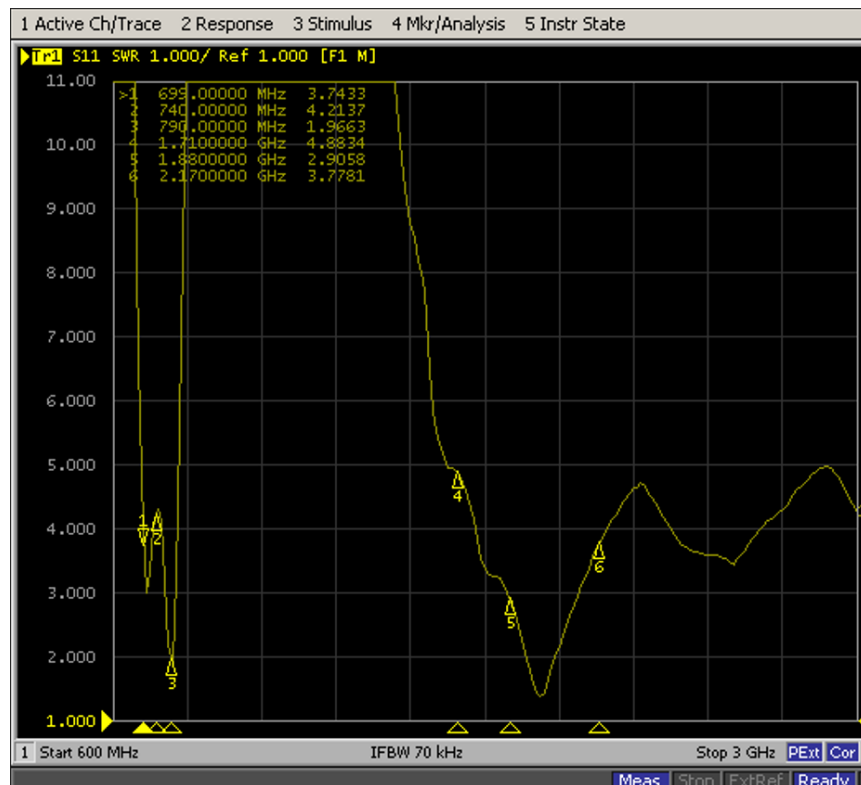


4 Ordering Information

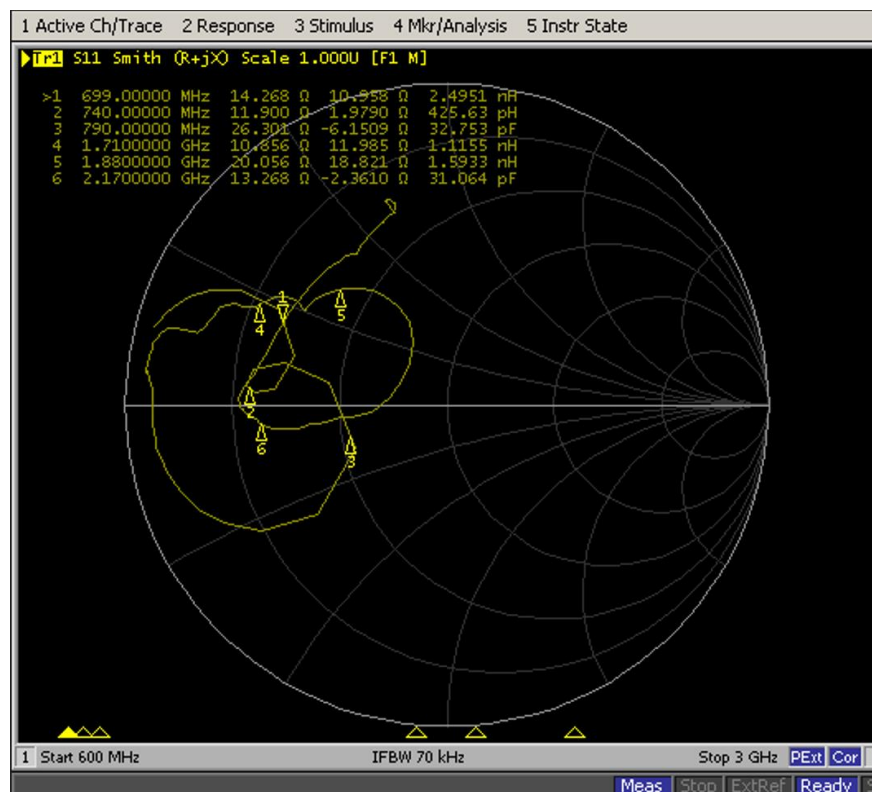
Part No.	Connector	Cable length (mm)	MPQ (pcs)
L-MI715-C	DIP	///	100

5 Antenna Performance

5.1 VSWR



5.1 Smith Chart



5.3 Efficiency & Gain

Frequency (MHZ)	Efficiency	Gain (dBi)
700	23%	-0.38
740	34%	0.51
780	29%	1.86
820	41%	1.51
860	49%	1.70
900	50%	1.36
940	47%	1.03
1710	34%	-0.20
1750	35%	-0.17
1790	37%	0.28
1830	42%	1.26
1870	52%	2.81
1900	62%	2.93
1930	72%	2.65

Frequency (MHZ)	Efficiency	Gain (dBi)
1990	79%	2.96
2100	54%	2.33
2130	51%	1.90
2170	47%	1.43

About Us

MIOT is a **one-stop provider of IoT solutions**, taking products from concept to full-scale production. Our global team of seasoned IoT experts and skilled R&D engineers delivers tailored, turnkey solutions that tackle complex challenges across diverse industries.

With deep expertise in **RF/antenna engineering, electronics, mechanical design, firmware and software development**, as well as **device prototyping, testing and certification, manufacturing, and customized ODM**, we offer a broad portfolio of IoT products—including antennas, tracking devices, gateways, and other connected devices, as well as co-branded FWA CPE/routers, dashcams, MDVRs, industrial AI boxes, and more.

Having connected tens of millions of devices worldwide, we help clients accelerate their time-to-market while ensuring quality and cost efficiency.

Contact Us

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