



ITF TECHNOLOGY

The ITF LGA Coupler is based on thin-film multilayer technology. The technology provides a miniature part with excellent high frequency performance and rugged construction for reliable automatic assembly. The ITF Coupler is offered in a variety frequency bands compatible with various types of high frequency wireless systems.

- APPLICATIONS**
- Autonomous driving
 - Body scanner
 - Radar
 - VR headset
 - Medical
 - Defense

- FEATURES**
- Inherent Low Profile
 - Self Alignment during Reflow
 - Excellent Solderability
 - Low Parasitics
 - Better Heat Dissipation

HOW TO ORDER

CP

T

Series

1206

T

Case Size

A

T

Type

28G0

T

Frequency (MHz)

A

T

Sub-Type

N

T

LGA Termination
Lead Free

TR

T

Taped & Reeled

QUALITY INSPECTION

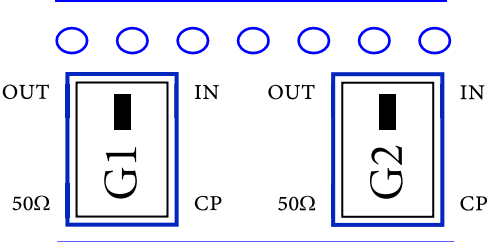
Finished parts are 100% tested for electrical parameters and visual characteristics. Each production lot is evaluated on a sample basis for:

- Static Humidity: 85°C, 85% RH, 160 hours
- Endurance: 125°C, I_R, 4 hours

TERMINATION

Nickel/Lead Free solder coating compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

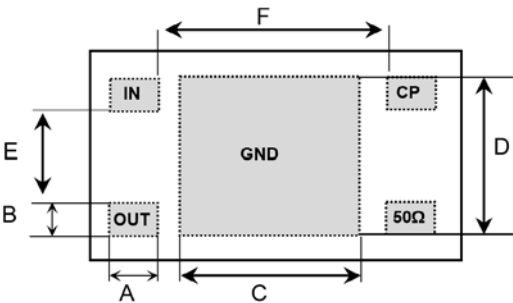
ORIENTATION IN TAPE (TOP VIEW)



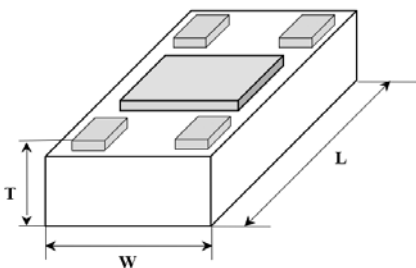
OPERATING TEMPERATURE

-40°C to +85°C

TERMINALS (TOP VIEW)



DIMENSIONS (BOTTOM VIEW)



mm (inches)	
L	3.1±0.1
W	1.6±0.1
T	0.45±0.1
A	0.32±0.1
B	0.21±0.1
C	1.92±0.1
D	1.36±0.1
E	0.945±0.1
F	2.225±0.1

ELECTRICAL CHARACTERISTICS

Part Number	Frequency (MHz)	Coupling (dB)	Insertion Loss (dB)	R. Loss (dB)	Isolation (dB)
CP1206A28G0ANTR	26.5 - 29.5	-18.5 ± 1	-0.55	-12	-30

TYPICAL ELECTRICAL PERFORMANCE

