

AMT1621(L1)
4dB Fixed Attenuator Chip



Key Features :

- Frequency range : 0 – 40GHz
- Insertion loss : 4dB
- Input/output standing wave : 1.2
- Chip dimensions : 0.43mm x 0.53mm x 0.1mm
- Applications : wireless communication, transceiver module, radio telecommunication etc.

Description :

AMT1621(L1) is a high performance fixed attenuator chip, it is designed by Gallium Arsenide (GaAs) pHEMT process. It covers frequency range of DC – 40GHz, attenuation is 4dB. This chip is designed with ground through metal vias on the back technology. All chip products p are 100% RF tested.

Absolute Maximum Ratings (Ta = 25°C)

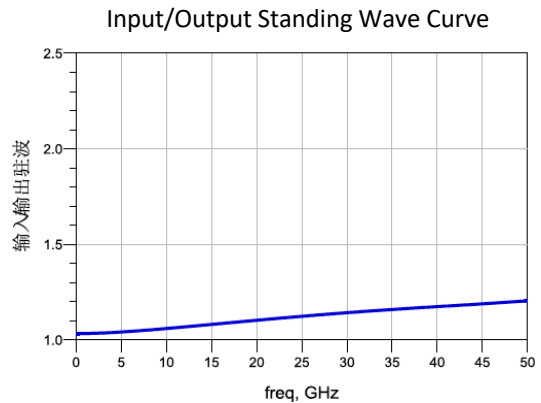
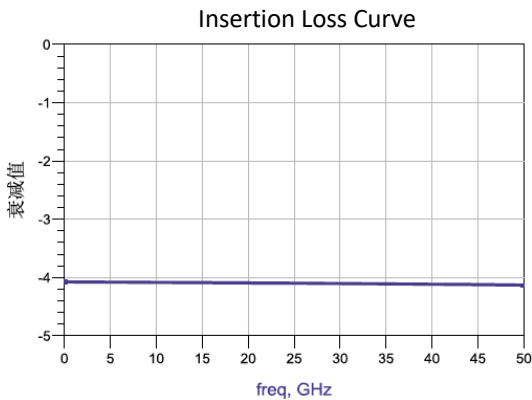
Symbol	Parameter	Value	Remark
Pin	Input Power	30dBm	
Tm	Sintering Temperature	290°C	30s, N ₂ protection
Tstg	Storage Temperature	-65 ~ +150°C	

[1] Operation outside any of the Absolute Maximum Ratings may cause permanent device damage.

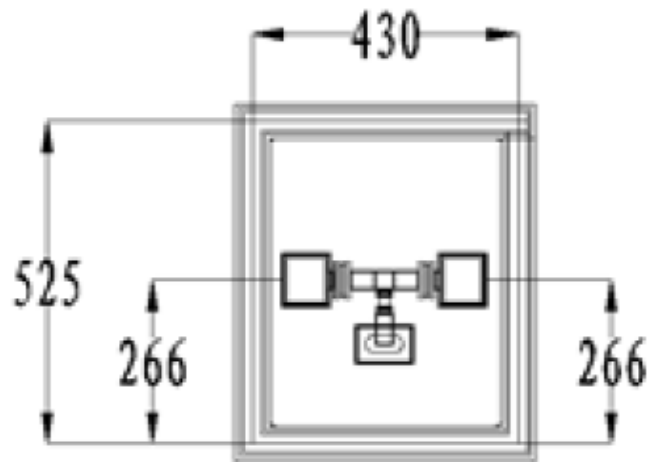
Electrical Characteristics (Ta = 25°C)

Symbol	Parameter	Value			Unit
		Min	Typical	Max	
VSWRin	Input Standing Wave	-	1.2	-	-
VSWRout	Output Standing Wave	-	1.2	-	-
IL	Insertion Loss	-	4	-	dB

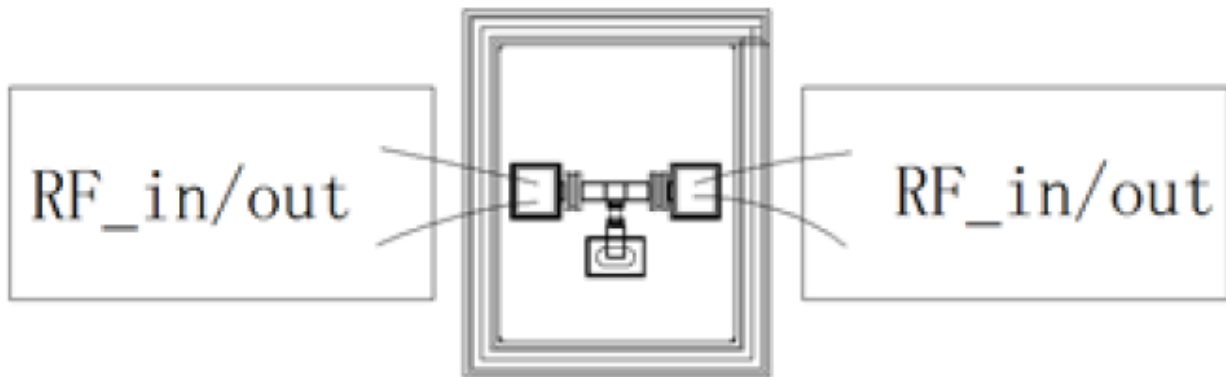
Typical Performance



Chip Dimensions (Unit : μm)



Chip Layout Diagram



Please see Appendix A for details.