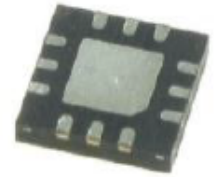


**AMT1204P  
LNA Package Chip**



**Key Features :**

- Frequency range : 6 – 18GHz
- High gain
- High P-1
- Low cost package
- Applications : wireless communication, transceiver module, radio telecommunication etc.

**Description :**

AMT1204P is a high performance GaAs LNA, frequency range covers 6 – 18GHz, +5V single supply, typical gain 20dB.

**Absolute Maximum Ratings (Ta = 25°C)**

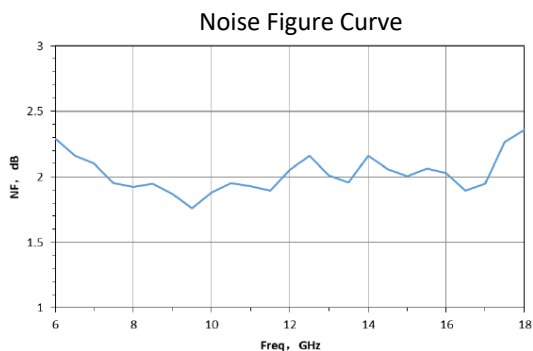
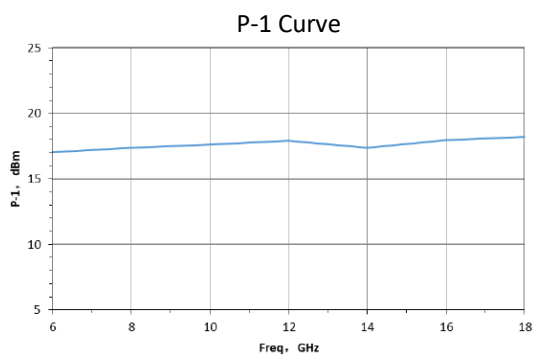
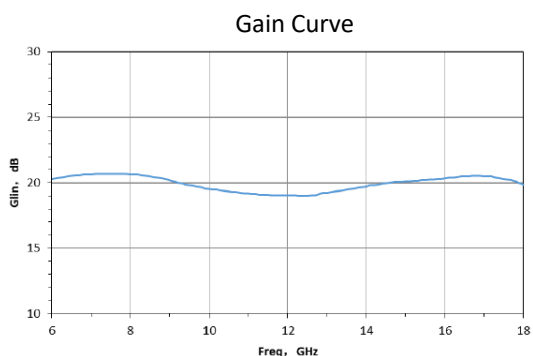
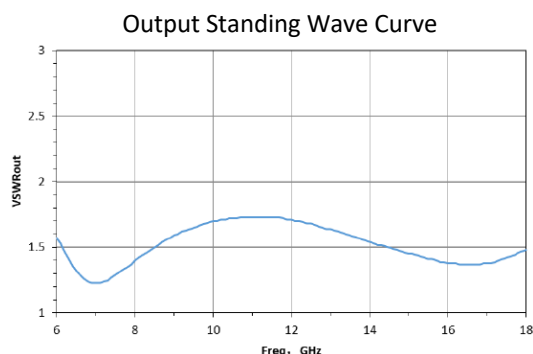
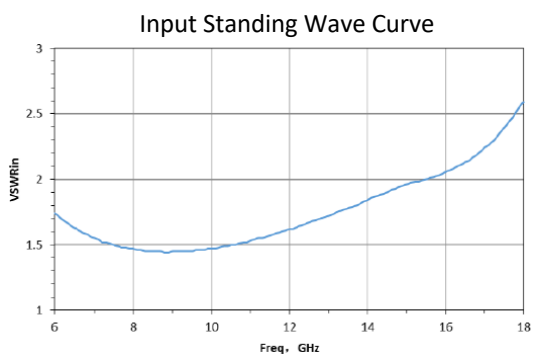
Symbol	Parameter	Value	Remark
Vd	Drain voltage	7V	
Pin	Input signal power	17dBm	
Tch	Operation Temperature	150°C	
Tm	Sintering Temperature	310°C	30s, N <sub>2</sub> protection
Tstg	Storage Temperature	-65 ~ +150°C	

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

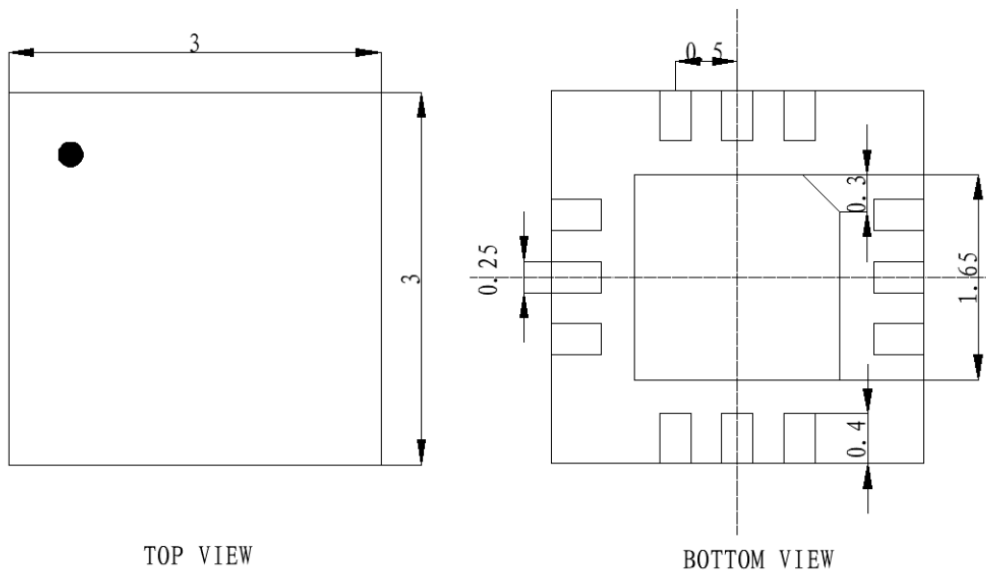
**Electrical Characteristics (Ta = 25°C)**

Symbol	Parameter	Test Conditions	Value			Unit
			Min	Typical	Max	
G	Gain	Vd = +5V F : 6 ~ 18GHz	-	20	-	dB
NF	Noise figure		-	2	-	dB
Id	Static current		-	90	-	mA
VSWRi	Input standing wave		-	1.8	2.5	-
VSWRo	Output standing wave		-	1.5	1.8	-
P-1	1dB compression point		15	16@75mA 18@90mA	-	dBm

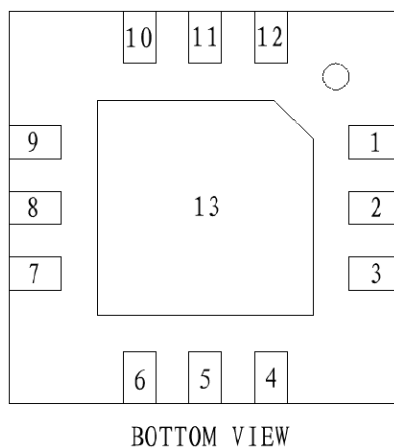
### Typical Test Curve



**Dimensions (Unit : mm)**



**Lead Diagram**



Lead	2	8	11	Other
Use	RFin	RFout	+5V Supply	GND