

**AMT3302-01 / AMT3302-02 / AMT3302-03 / AMT3302-04
1dB / 10dB / 20dB / 30dB Fixed Attenuator**



Key Features :

- Frequency range : DC – 40GHz
- Insertion loss : 1dB / 10dB / 20dB / 30dB
- Input/output standing wave : 1.25 / 1.1 / 1.2 / 1.1
- Chip dimensions : 1dB : 0.4mm x 0.7mm x 0.254mm
 10dB : 0.8mm x 0.8mm x 0.254mm
 20dB : 1mm x 0.75mm x 0.254mm
 30dB : 1.15mm x 0.6mm x 0.254mm
- Applications : wireless communication, transceiver module, radio telecommunication etc.

Description :

This is a series of high performance ceramic fixed attenuator, this chip is designed with ground through metal vias on the back technology. It covers frequency range of DC – 40GHz, attenuation are 1dB/10dB/20dB/30dB.

Absolute Maximum Ratings (Ta = 25°C)

Symbol	Parameter	Value	Remark
Pin	Input power	+30dBm	
Tstg	Storage Temperature	-65 ~ +150°C	

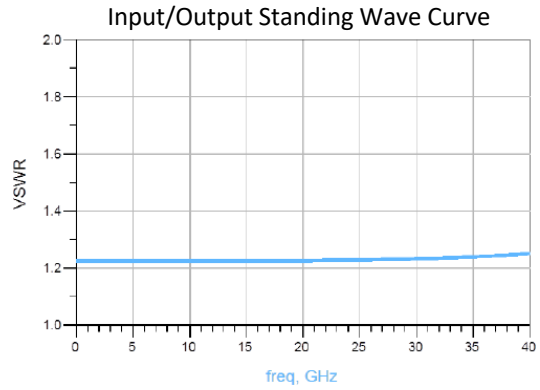
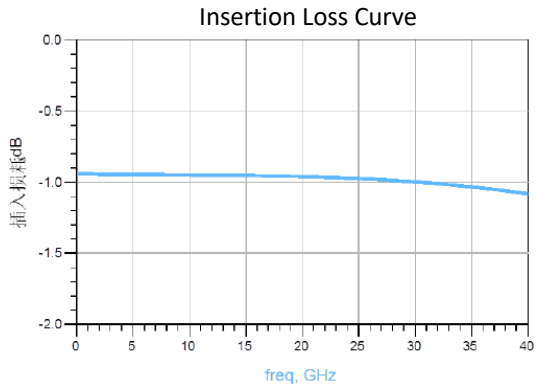
[1] Operation outside any of the Absolute Maximum Ratings may cause permanent device damage.

Electrical Characteristics (Ta = 25°C)

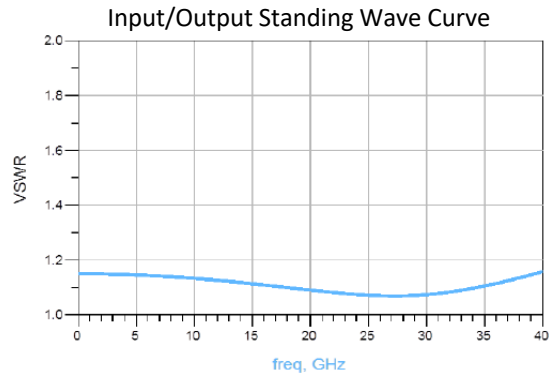
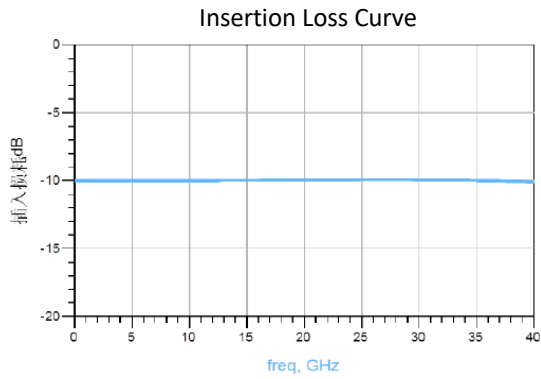
Symbol	Parameter	Value			Unit	
		Min	Typical	Max		
VSWR	Input/output standing wave	AMT3302-01	-	1.25	1.3	-
		AMT3302-02	-	1.1	1.2	-
		AMT3302-03	-	1.2	1.5	-
		AMT3302-04	-	1.1	1.3	-
IL	Insertion loss	AMT3302-01	-	1	-	dB
		AMT3302-02	-	10	-	dB
		AMT3302-03	-	20	-	dB
		AMT3302-04	-	30	-	dB

Typical Test Curve

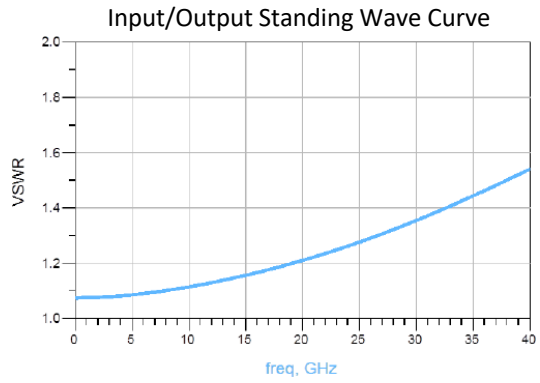
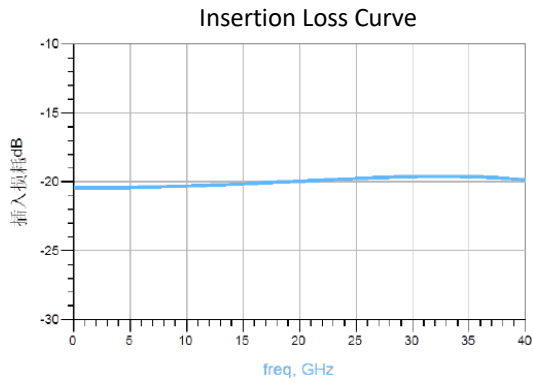
1dB



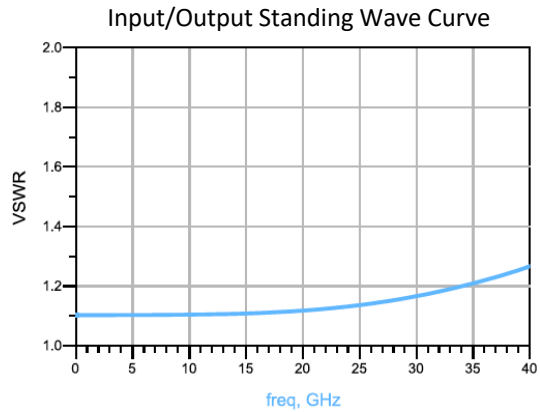
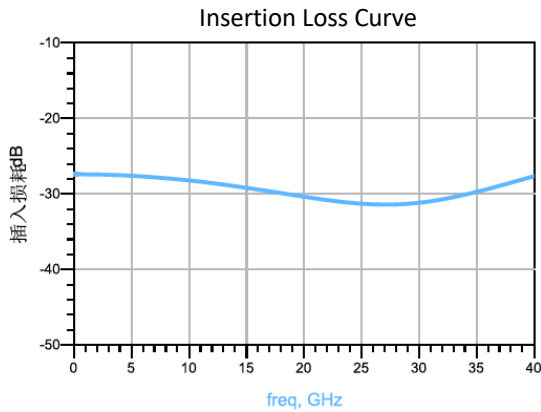
10dB



20dB

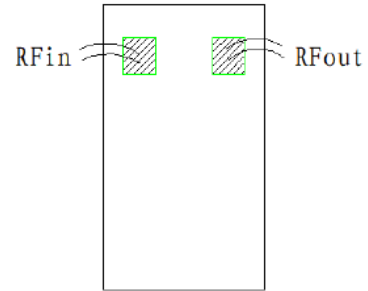
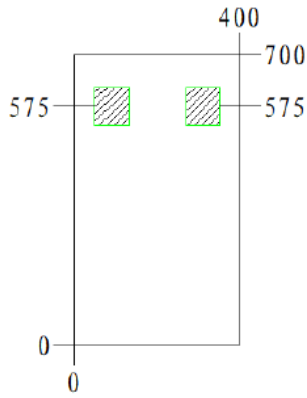


30dB

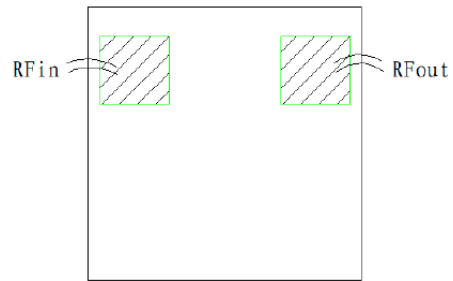
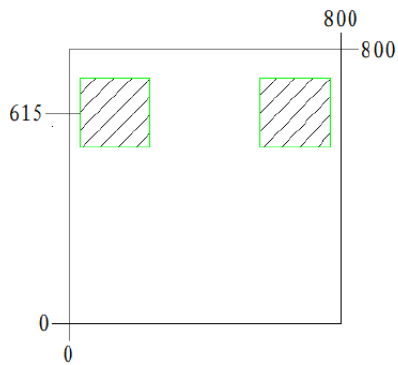


Chip Dimensions (Unit : μm)

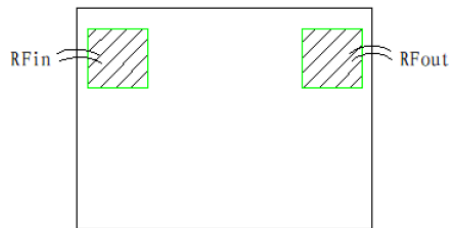
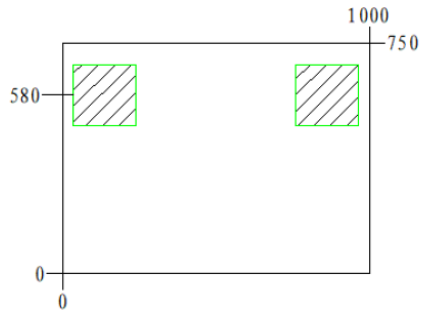
1dB



10dB



20dB



30dB

