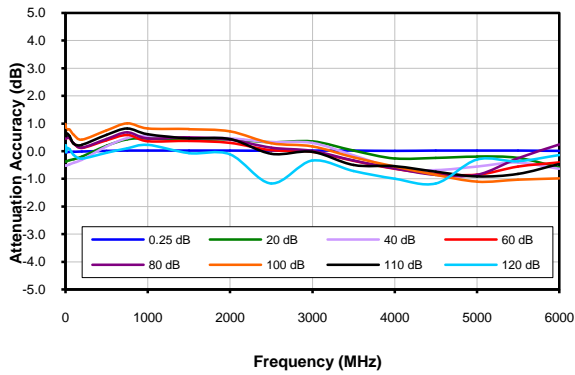


# Programmable Attenuator

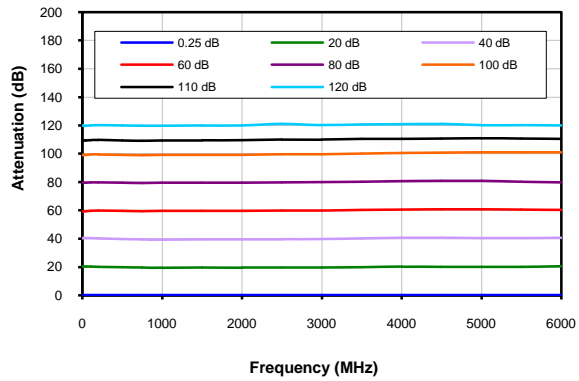
# RUDAT-4000-120

## Typical Performance Curves @ 0°C

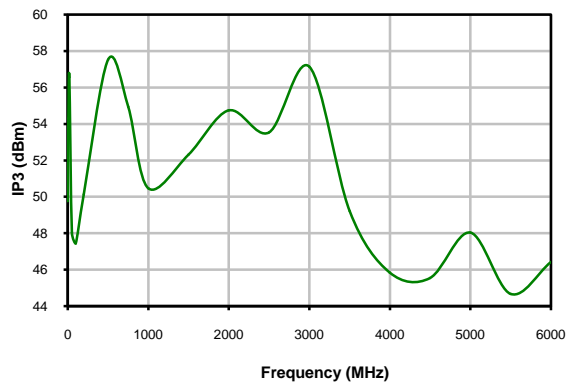
**Attenuation Accuracy vs. Frequency over Attenuation settings**



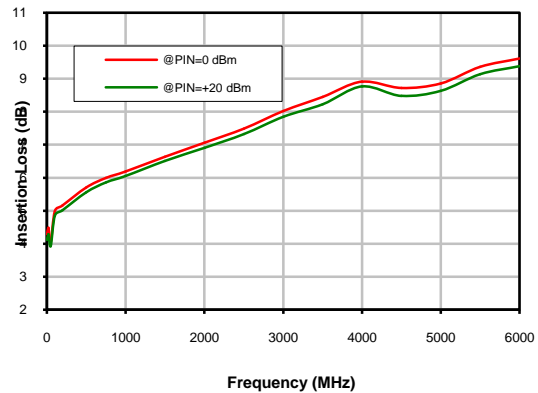
**Attenuation relative to I.L. vs. Frequency over Attenuation settings**



**IP3 @ 0dB Attenuation**



**Insertion Loss**



**Notes**

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at [www.minicircuits.com/MCLStore/terms.jsp](http://www.minicircuits.com/MCLStore/terms.jsp)

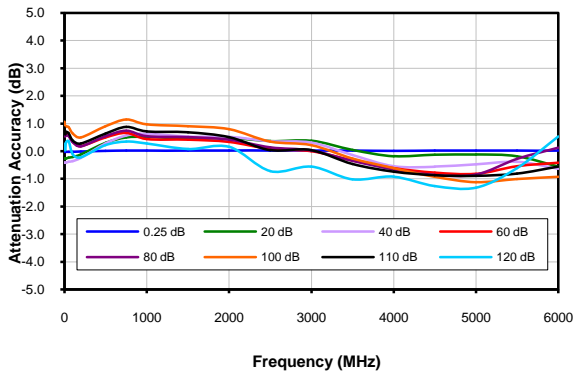


# Programmable Attenuator

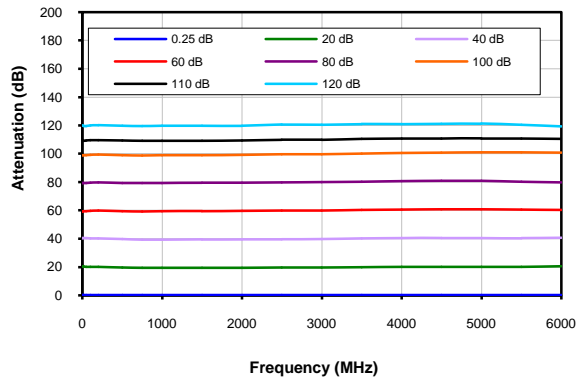
# RUDAT-4000-120

## Typical Performance Curves @ +25°C

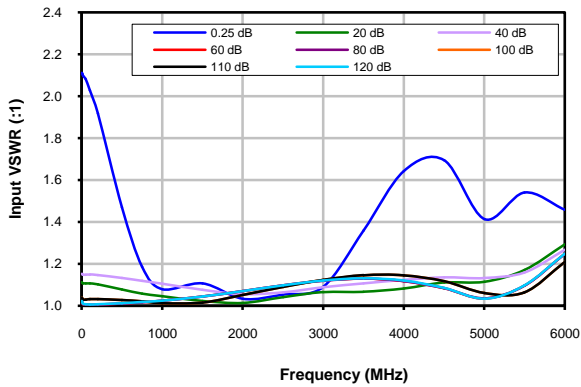
**Attenuation Accuracy vs. Frequency over Attenuation settings**



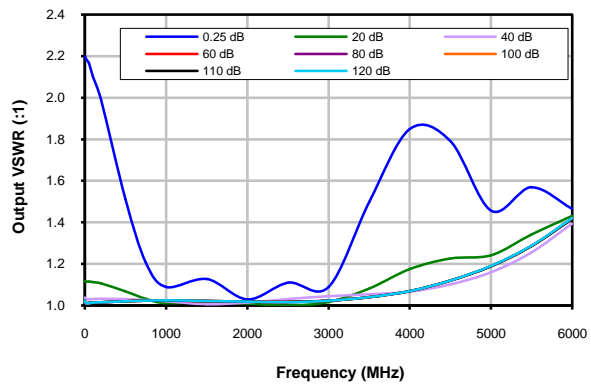
**Attenuation relative to I.L. vs. Frequency over Attenuation settings**



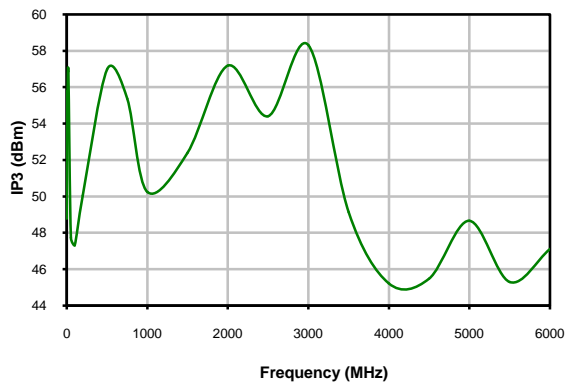
**Input VSWR vs. Frequency over Attenuation settings**



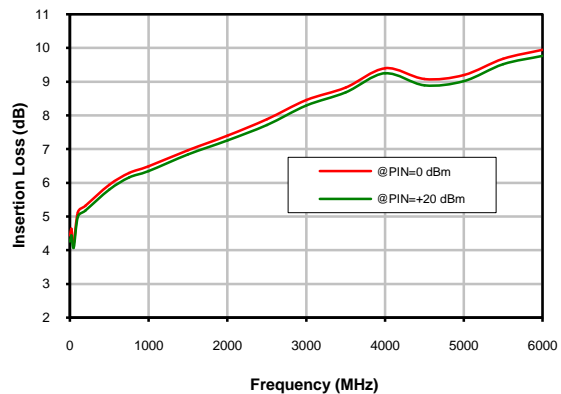
**Output VSWR vs. Frequency over Attenuation settings**



**IP3 @ 0dB Attenuation**



**Insertion Loss**



**Notes**

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at [www.minicircuits.com/MCLStore/terms.jsp](http://www.minicircuits.com/MCLStore/terms.jsp)

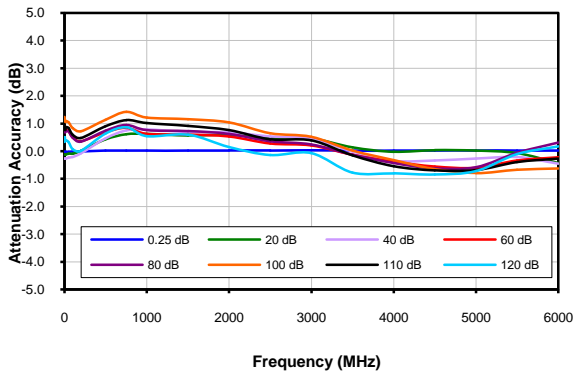


# Programmable Attenuator

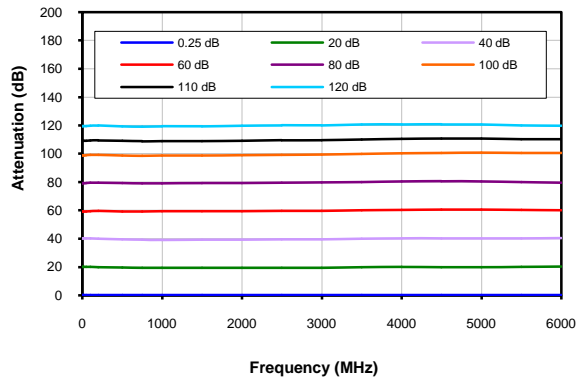
# RUDAT-4000-120

## Typical Performance Curves @ 50°C

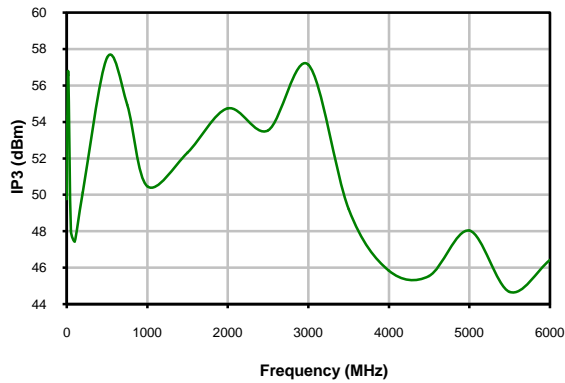
**Attenuation Accuracy vs. Frequency over Attenuation settings**



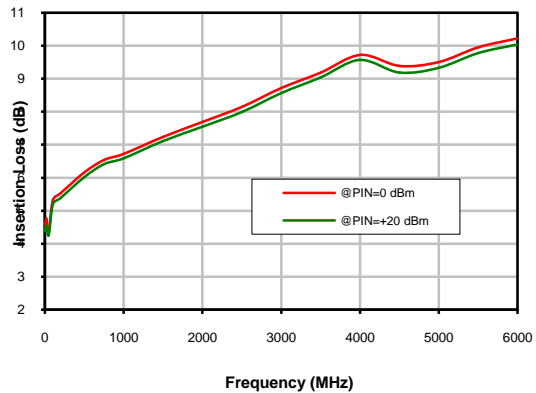
**Attenuation relative to I.L. vs. Frequency over Attenuation settings**



**IP3 @ 0dB Attenuation**



**Insertion Loss**



### Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at [www.minicircuits.com/MCLStore/terms.jsp](http://www.minicircuits.com/MCLStore/terms.jsp)

