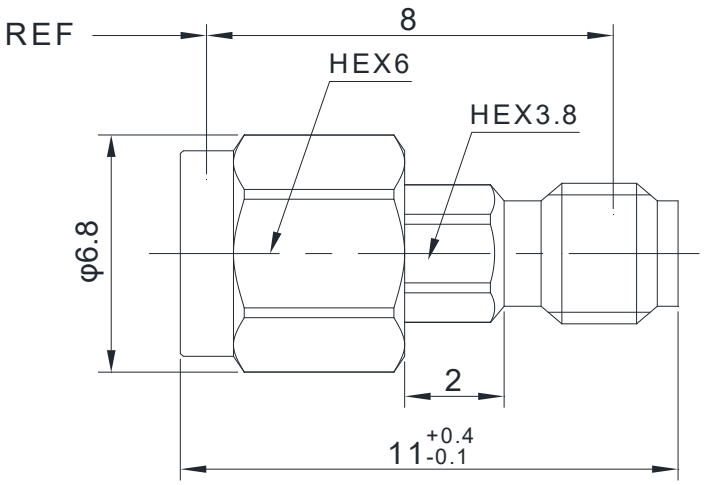
ATTENUATOR DATASHEET	Gwave
1.0MM ATTENUATOR	**1.0-CA1XX**



*Dimensions are in mm

Configuration

Connector	1.0mm Male-Female
Connector Impedance	50 Ohms
Connector Polarity	Standard

Electrical Specifications

Frequency (GHz)	DC-110GHz			
Attenuation Value (dB)	3	5	6	10
Attenuation Accuracy (dB)	+1.8/-1.5	+1.8/-1.5	+1.8/-1.5	+1.5/-1.2
VSWR	≤1.6			
Average Power(W)	1 @25°C (derating linearly to 0.1W at 100°C)			
Peak Power(W)	10 (5 μs pulse width, 5% duty cycle)			

Materials Information

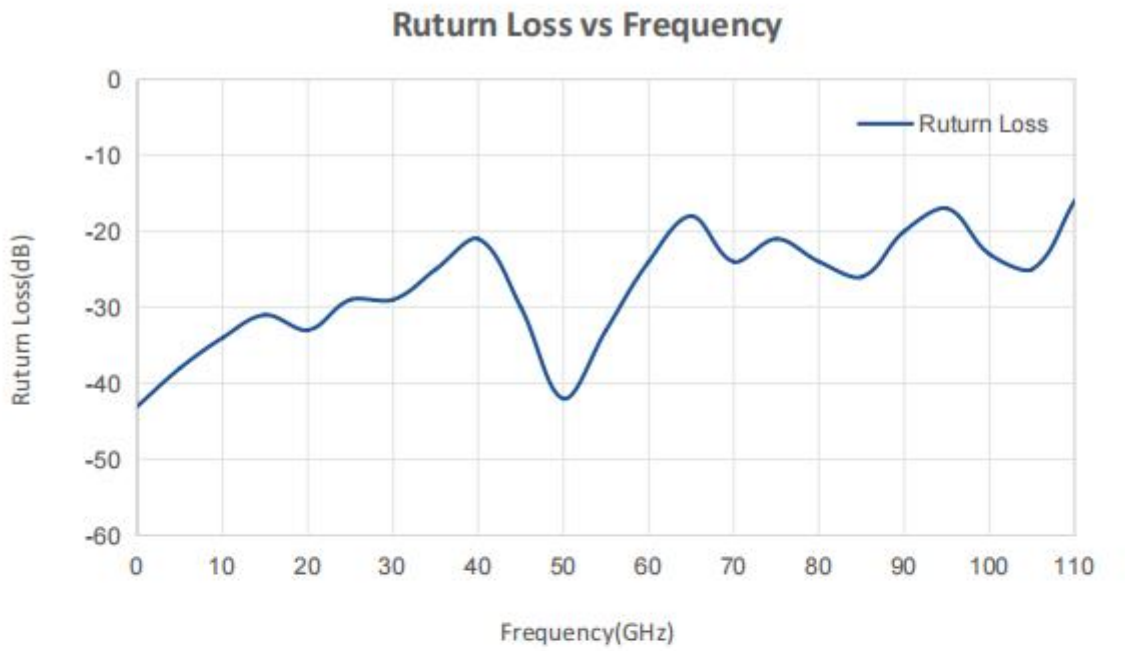
Center Contact	Beryllium bronze Gold Plated
Outer Contact	Stainless steel
Dielectric	PEI

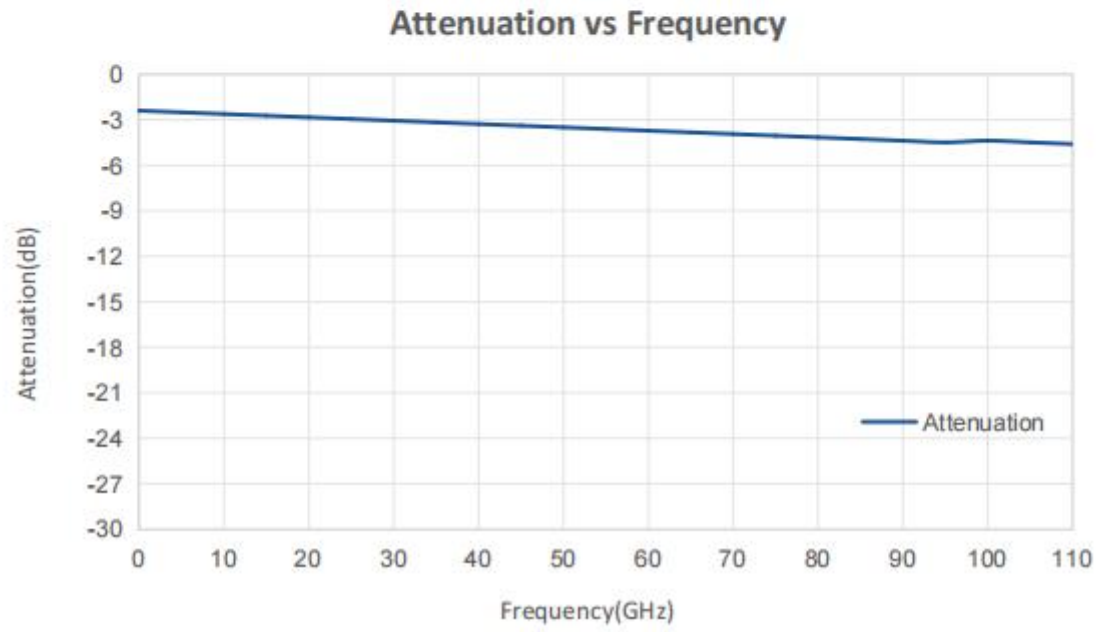
Environmental Data

Operating Temperature	-55°C to +125°C
2011/65/EU(RoHS)	Compliant

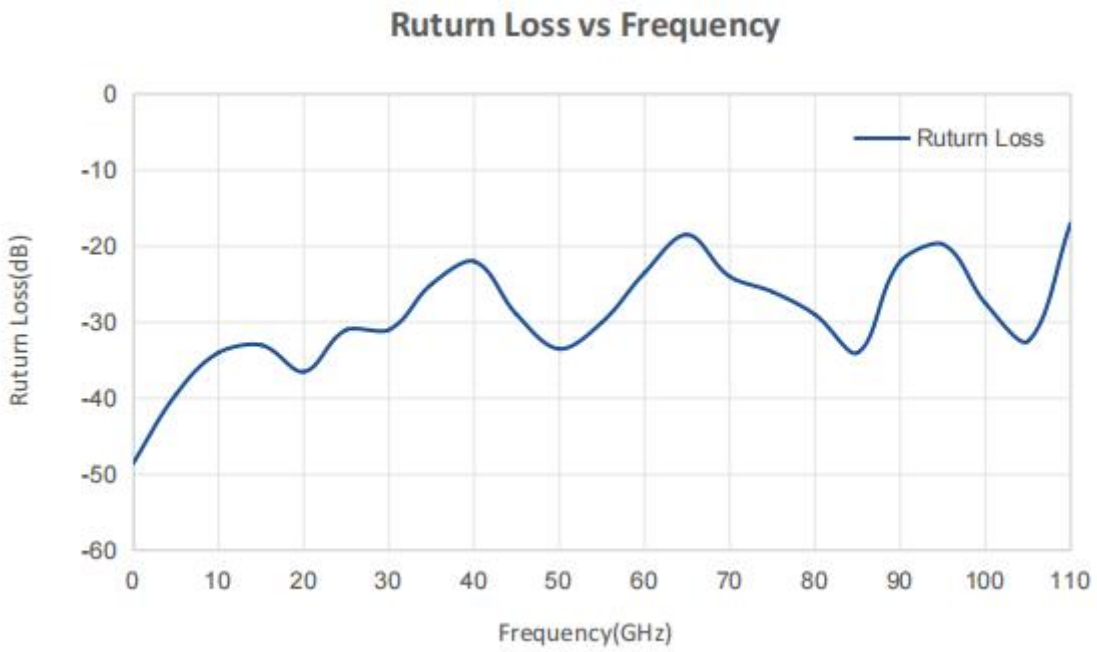
While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

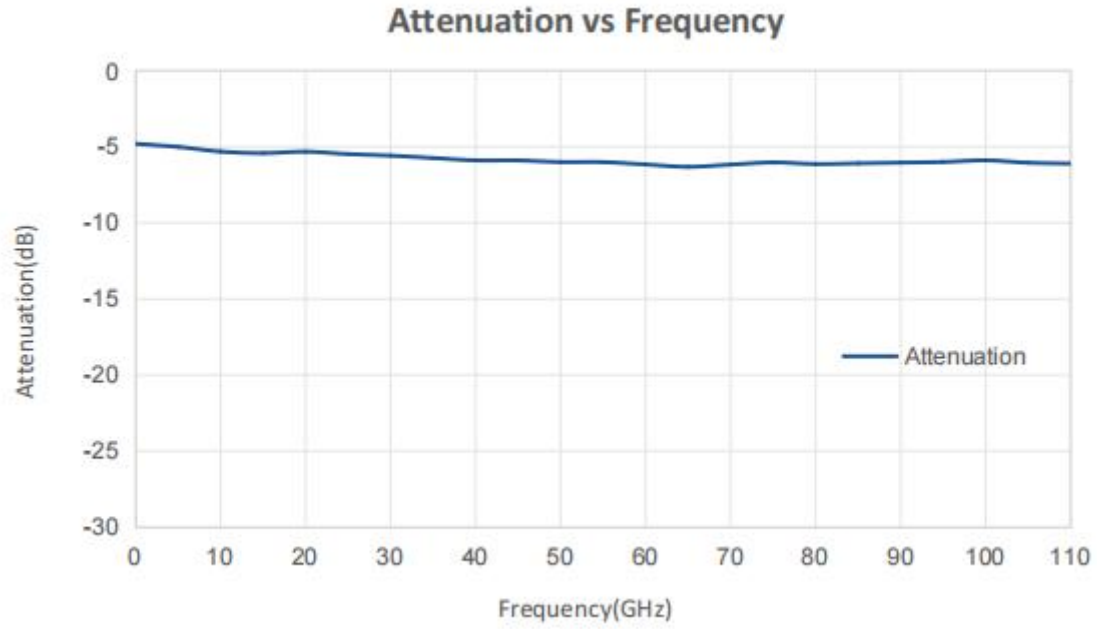
1.0-CA103:


Ruturn Loss vs Frequency
Ruturn Loss
Ruturn Loss(dB)
0
-10
-20
-30
-40
-50
-60
0
10
20
30
40
50
60
70
80
90
100
110
Frequency(GHz)

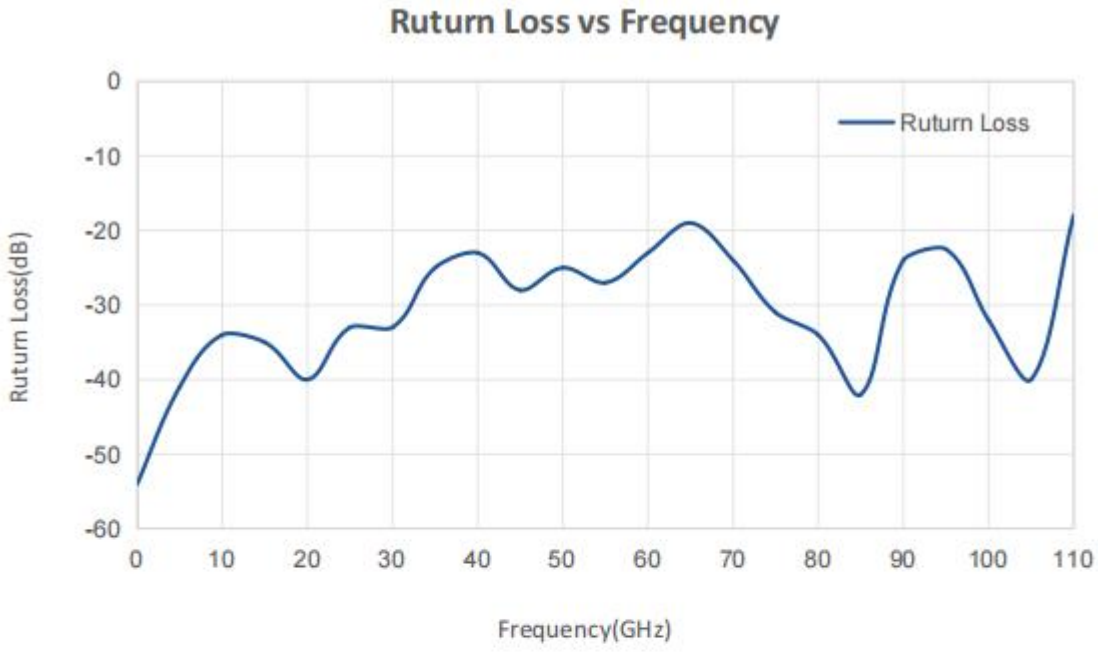

Attenuation vs Frequency
Attenuation
Attenuation(dB)
0
-3
-6
-9
-12
-15
-18
-21
-24
-27
-30
0
10
20
30
40
50
60
70
80
90
100
110
Frequency(GHz)

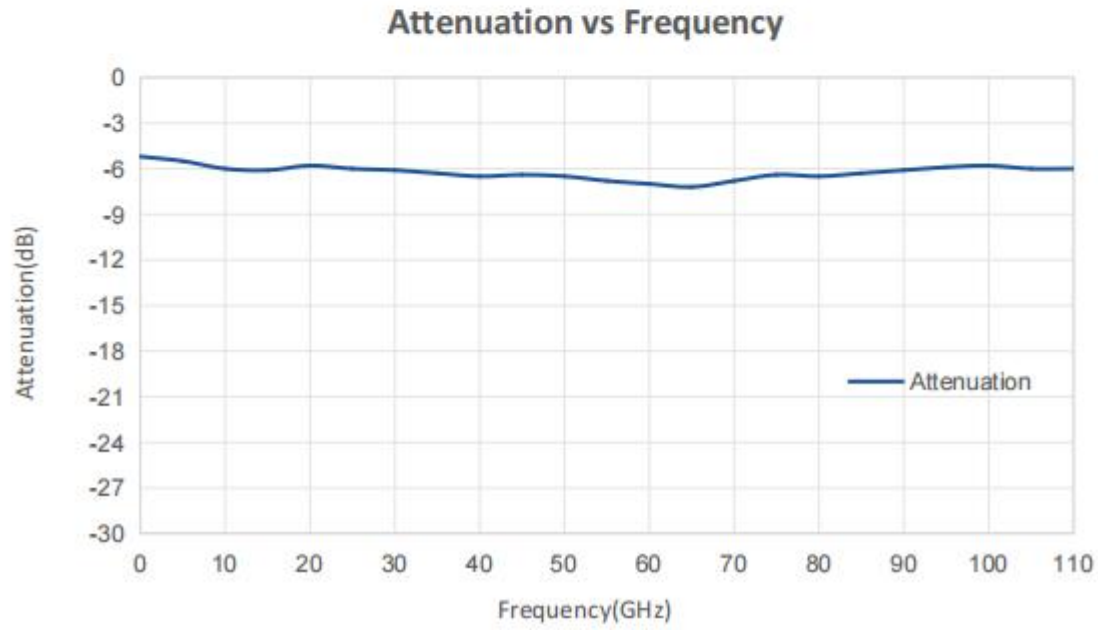
1.0-CA105:


Ruturn Loss vs Frequency
Ruturn Loss
Ruturn Loss(dB)
0
-10
-20
-30
-40
-50
-60
0
10
20
30
40
50
60
70
80
90
100
110
Frequency(GHz)

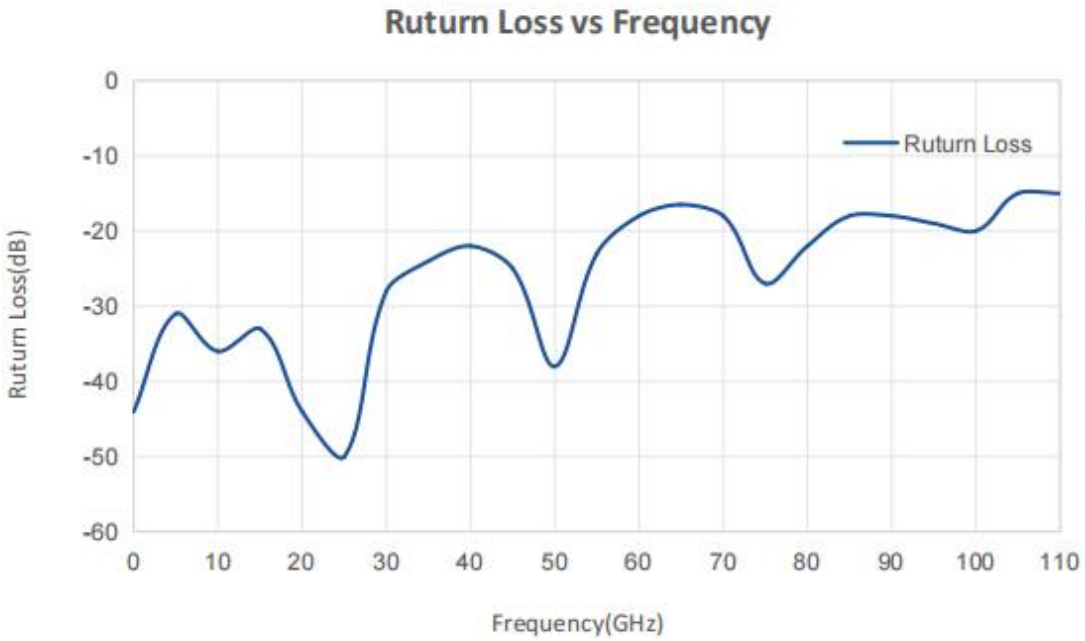

Attenuation vs Frequency
Attenuation
Attenuation(dB)
0
-5
-10
-15
-20
-25
-30
0
10
20
30
40
50
60
70
80
90
100
110
Frequency(GHz)

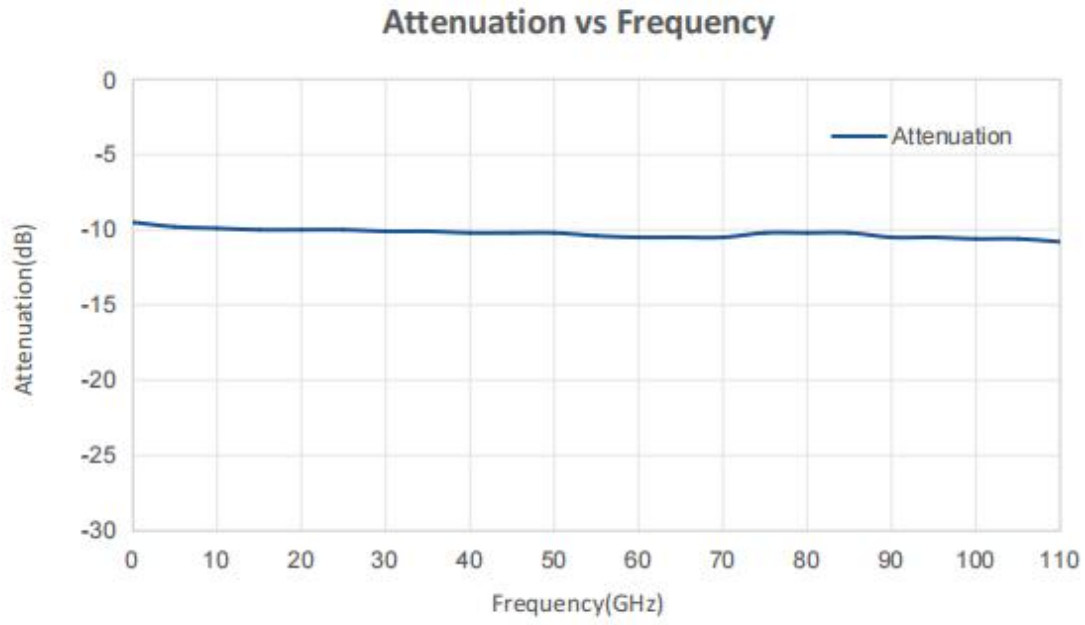
1.0-CA106:


Ruturn Loss vs Frequency
Ruturn Loss
Ruturn Loss(dB)
0
-10
-20
-30
-40
-50
-60
0
10
20
30
40
50
60
70
80
90
100
110
Frequency(GHz)


Attenuation vs Frequency
Attenuation
Attenuation(dB)
0
-3
-6
-9
-12
-15
-18
-21
-24
-27
-30
0
10
20
30
40
50
60
70
80
90
100
110
Frequency(GHz)

1.0-CA110:


Ruturn Loss vs Frequency
Ruturn Loss
Ruturn Loss(dB)
0
-10
-20
-30
-40
-50
-60
0
10
20
30
40
50
60
70
80
90
100
110
Frequency(GHz)


Attenuation vs Frequency
Attenuation
Attenuation(dB)
0
-5
-10
-15
-20
-25
-30
0
10
20
30
40
50
60
70
80
90
100
110
Frequency(GHz)