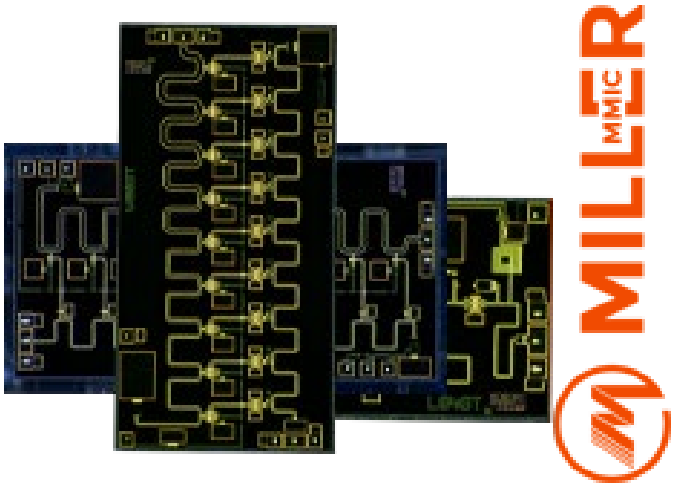
Features

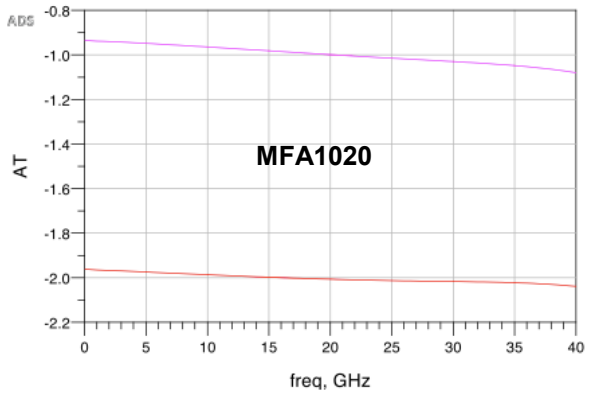
- Ultra broadband two channel attenuator
- Frequency Range: DC - 40GHz
- 2 Channels with 2 different Attenuation value
- Power Handling: 27dBm
- 50Ω Input and Output Impedance
- Return Loss: 20dB
- Bare Die (QFN Available)
- RoHS & REACH Compliant



Typical Applications

- Test Instrumentation
- Microwave Radio & VSAT
- Military & Space
- Telecom Infrastructure
- General Purpose

Part No.	Product Description	Frequency (GHz)	Channel	Attenuation (dB)	Power (dBm)	Flatness (dB)	VSWR
MFA1020	2 Channel Fixed Attenuator	DC-40	2	1dB / 2dB	27	±0.3	1.22
MFA1021	2 Channel Fixed Attenuator	DC-40	2	3dB / 4dB	27	±0.3	1.22
MFA1022	2 Channel Fixed Attenuator	DC-40	2	3dB / 5dB	27	±0.3	1.22
MFA1023	2 Channel Fixed Attenuator	DC-40	2	5dB / 7dB	27	±0.3	1.22
MFA1024	2 Channel Fixed Attenuator	DC-40	2	5dB / 8dB	27	±0.3	1.22
MFA1025	2 Channel Fixed Attenuator	DC-40	2	7dB / 8dB	27	±0.3	1.22
MFA1026	2 Channel Fixed Attenuator	DC-40	2	9dB / 10dB	27	±0.35	1.22
MFA1027	2 Channel Fixed Attenuator	DC-40	2	15dB / 20dB	27	±0.4	1.22


ADS
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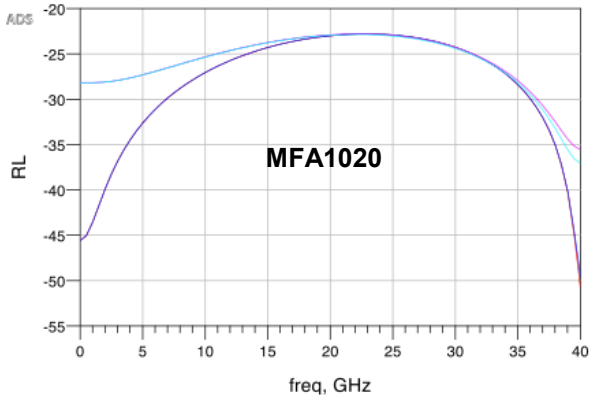
MFA1020
freq, GHz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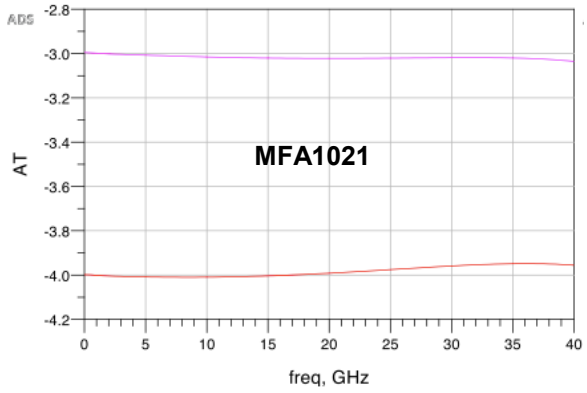
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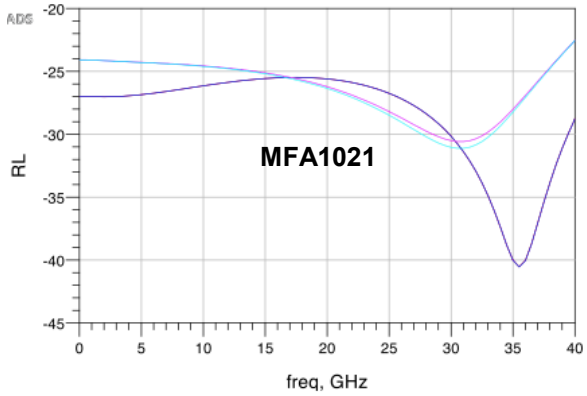
freq, GHz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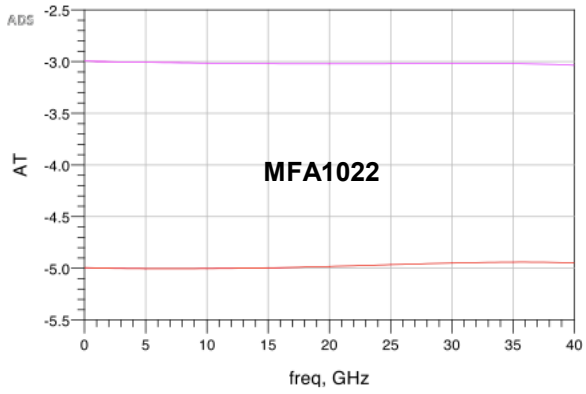
freq, GHz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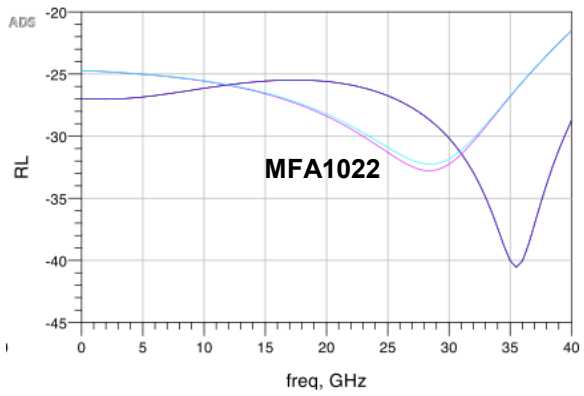
freq, GHz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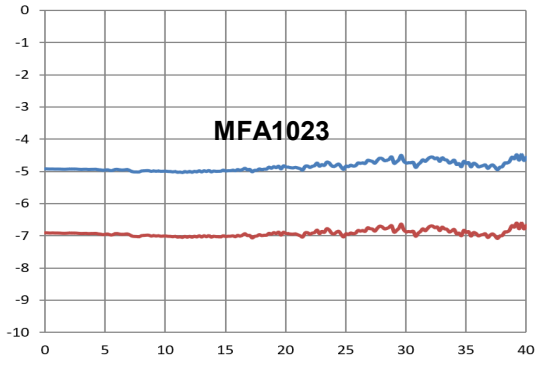
freq, GHz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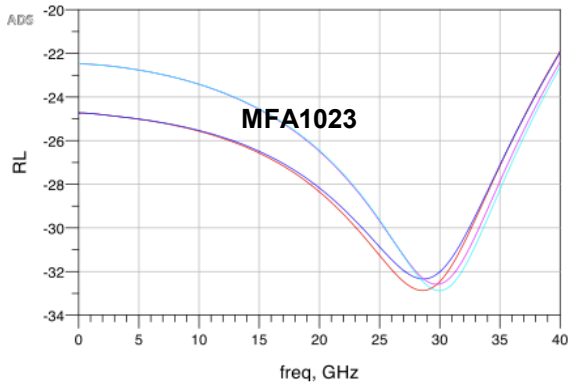
ADS
RL
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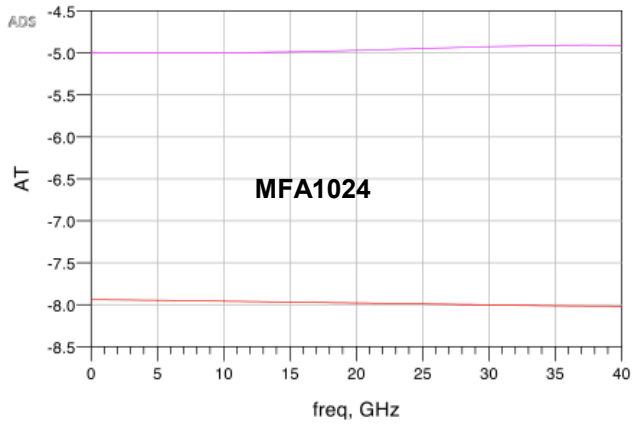
freq, GHz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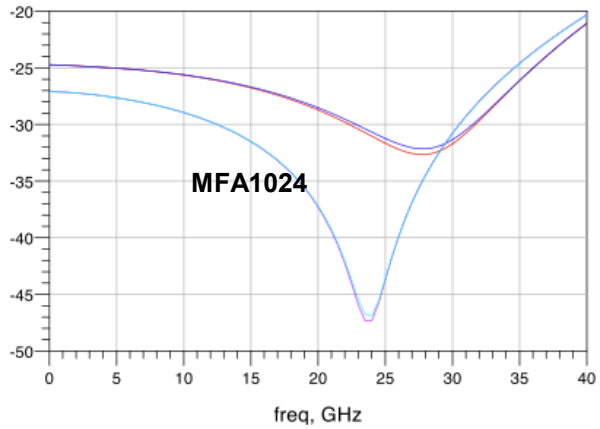
freq, GHz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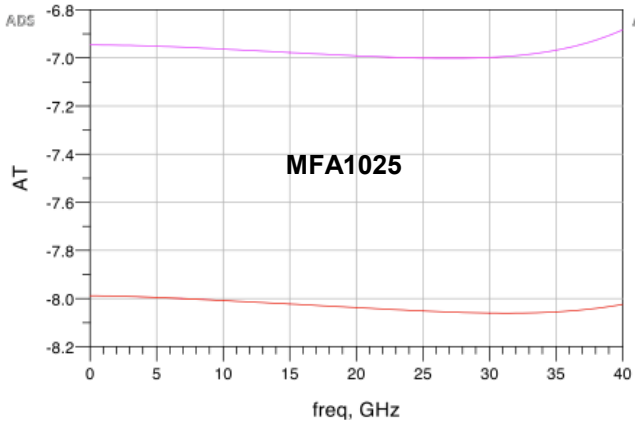
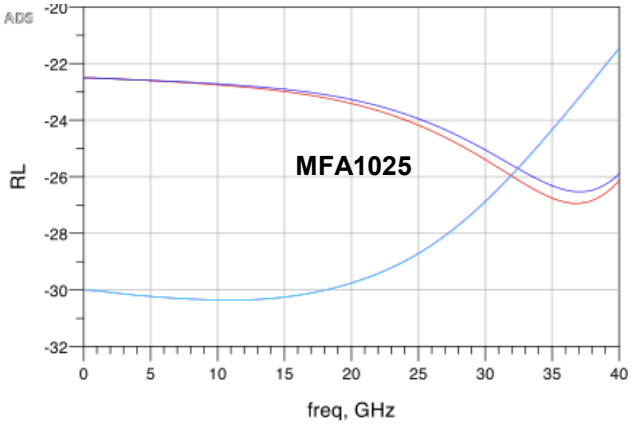
freq, GHz


ADS
AT
MFA1025
freq, GHz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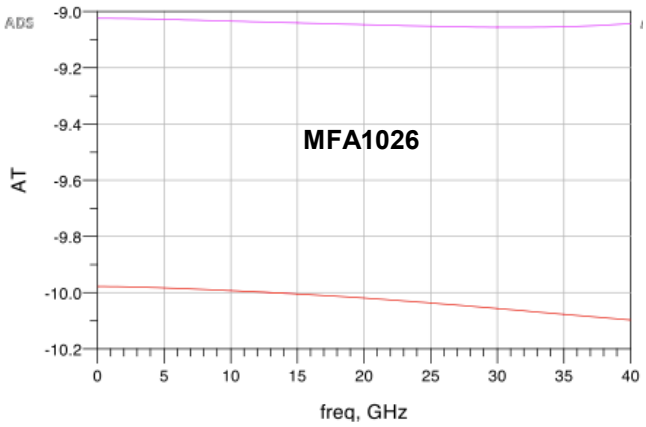
freq, GHz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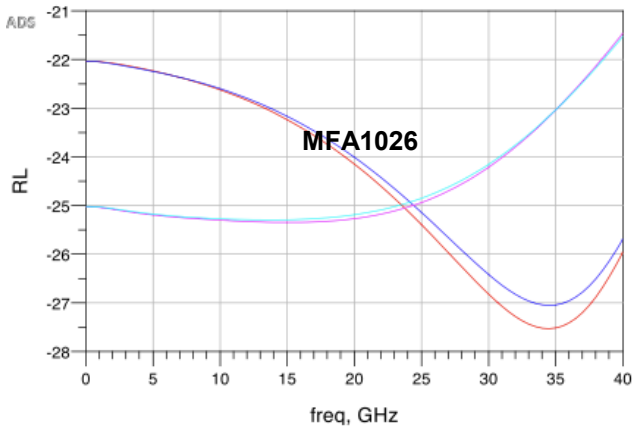
AT
MFA1026
freq, GHz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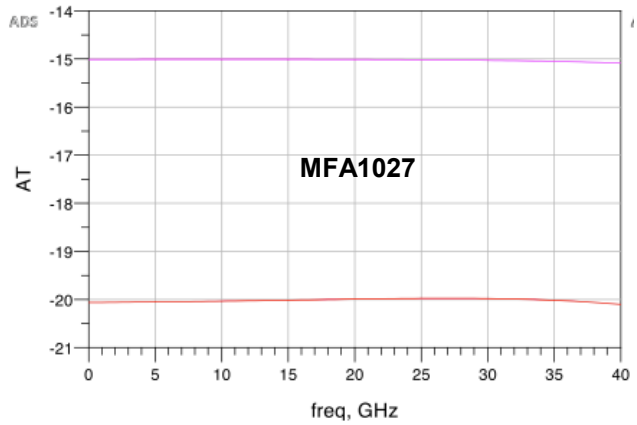
freq, GHz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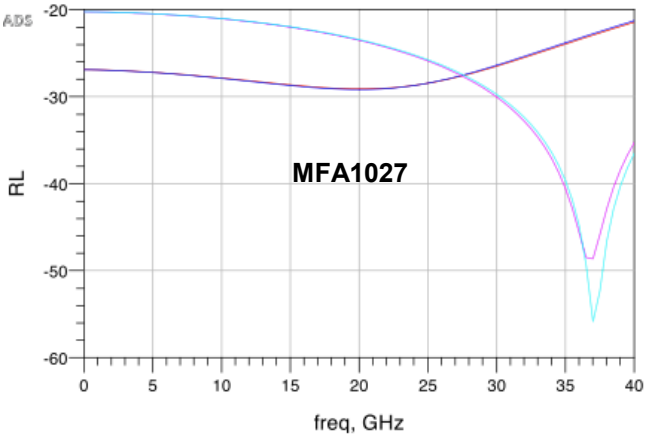
freq, GHz


ADS
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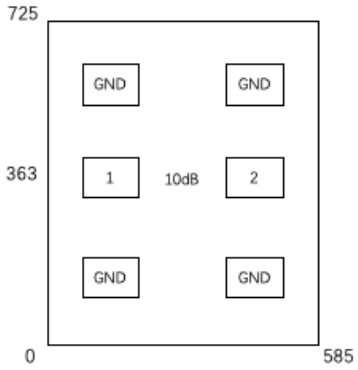
MFA1027
freq, GHz

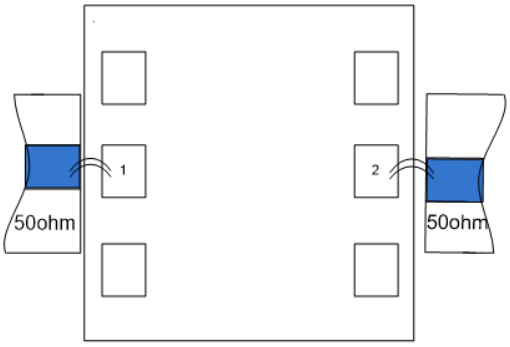
Outline Drawing:

All Dimensions in μm

Pad	Function	Description
1	RF IN	RF signal input terminal; DC blocking capacitor required.
2	RF OUT	RF signal output terminal; DC blocking capacitor required.
Die bottom	GND	Die bottom must be connected to RF/DC ground.



Assembly Drawing



Notes:

1. Die thickness: 100μm
2. Typical bond pad is 100*100 μm^2
3. Bond pad metalization: Gold
4. Backside metalization: Gold
5. Backside of the die (GND)
6. No connection required for unlabeled bond pads

Maximum Ratings:

1. Maximum input power: +27dBm
2. Operating temperature: -55℃ to +85℃
3. Storage temperature: -65℃ to +150℃