

XH-F1207C022A1

Features

- For GNSS application
- FBAR(Film Bulk Acoustic Resonator) technology
- Low Insertion Loss
 - ✓ 1.0dB (typical @1207MHz)
- CSP

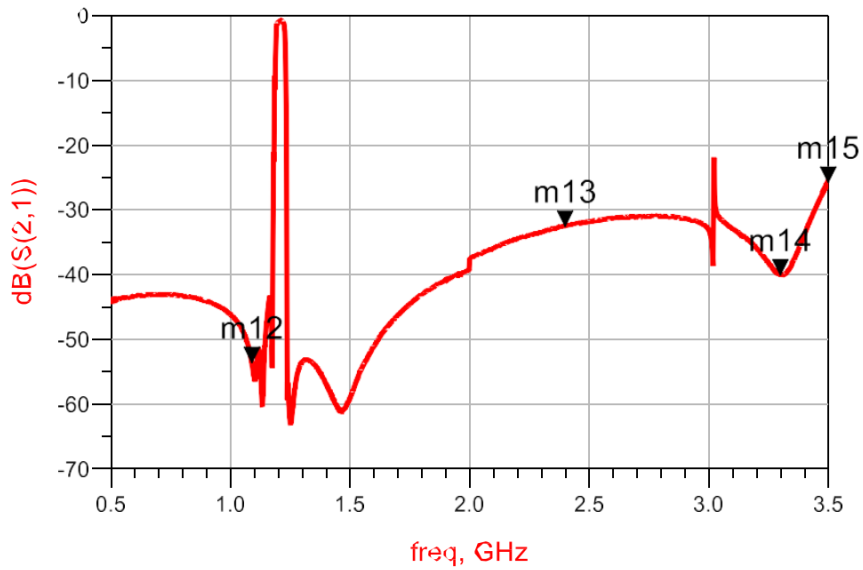
Electrical Specifications, $Z_0=50\Omega$, $T_{SPEC}=-55^{\circ}\text{C}\sim+85^{\circ}\text{C}$

Parameter		Min. For T_{SPEC}	Typ. @+25°C	Max. For T_{SPEC}	Unit
Center Frequency		\	1207	\	MHz
Insertion Loss(1196 ~ 1218MHz)		\	1.0	1.9	dB
I.L. Ripple(1196 ~ 1218MHz)		\	0.7	1.2	dB
1dB BW		22	\	\	MHz
Return Loss(1196 ~ 1218MHz)		10	15	\	dB
Group delay ripple(1196 ~ 1218MHz)		\	\	55	ns
Attenuation	@1090MHz	42	53	\	dB
	1268~1700MHz	38	55	\	dB
	1700~2500MHz	26	40	\	dB

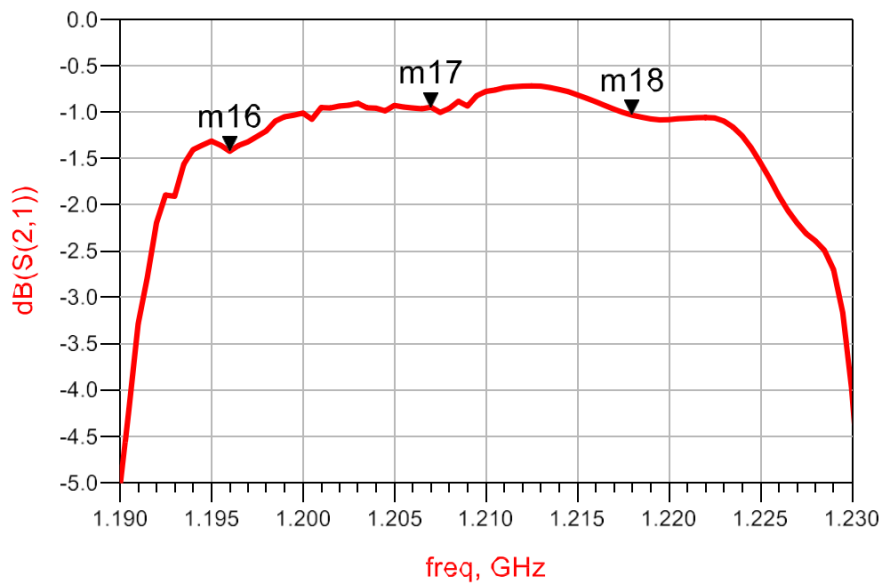
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Typical Performance at Tc = 25°C

m12 freq=1.090GHz dB(S(2,1))=-53.573	m13 freq=2.400GHz dB(S(2,1))=-32.536	m14 freq=3.300GHz dB(S(2,1))=-40.056	m15 freq=3.500GHz dB(S(2,1))=-25.756
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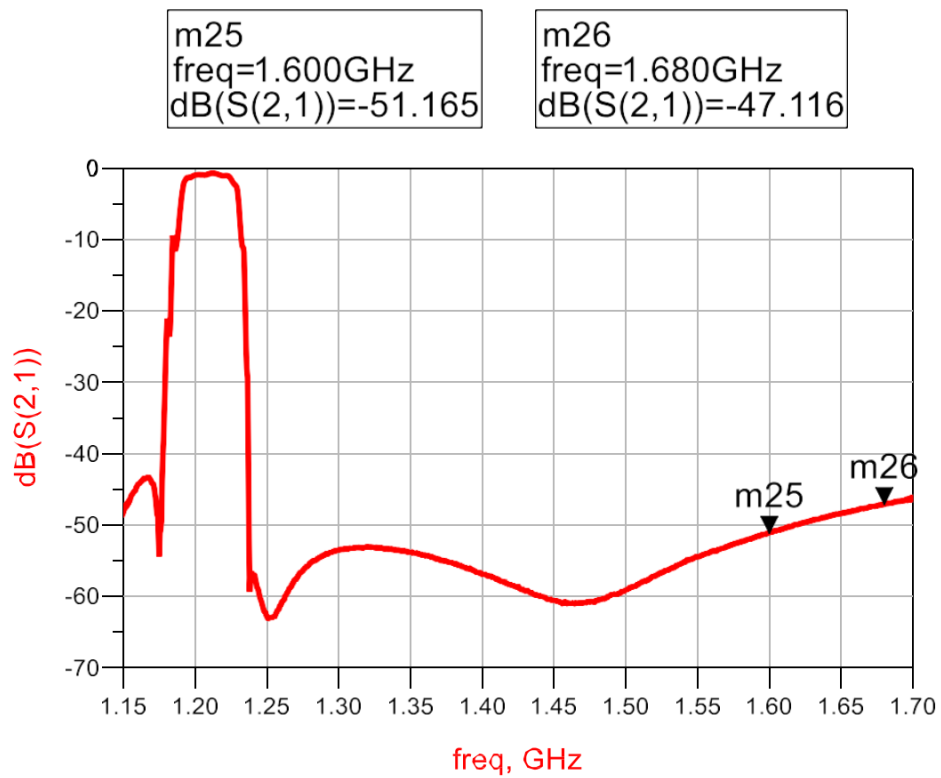
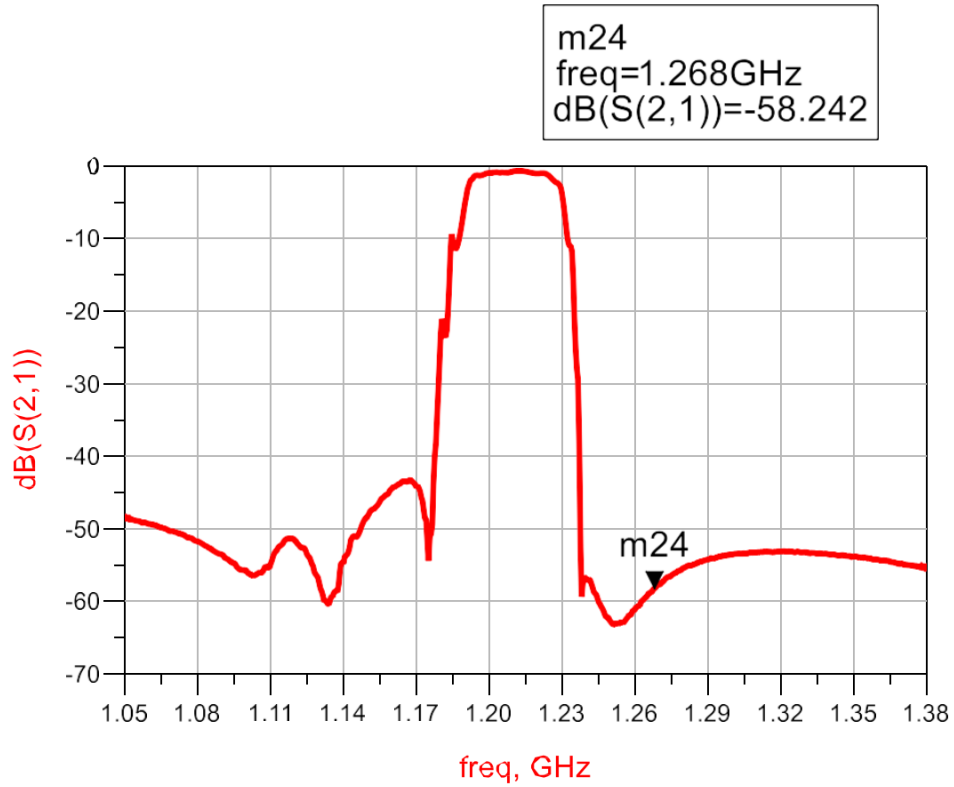


m16 freq=1.196GHz dB(S(2,1))=-1.427	m17 freq=1.207GHz dB(S(2,1))=-0.951	m18 freq=1.218GHz dB(S(2,1))=-1.039
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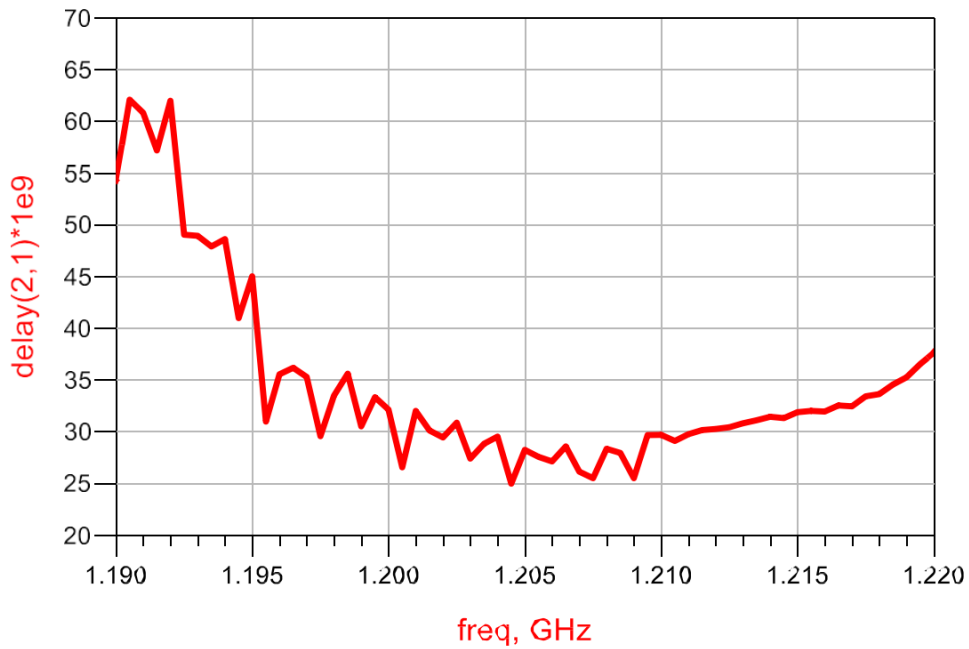
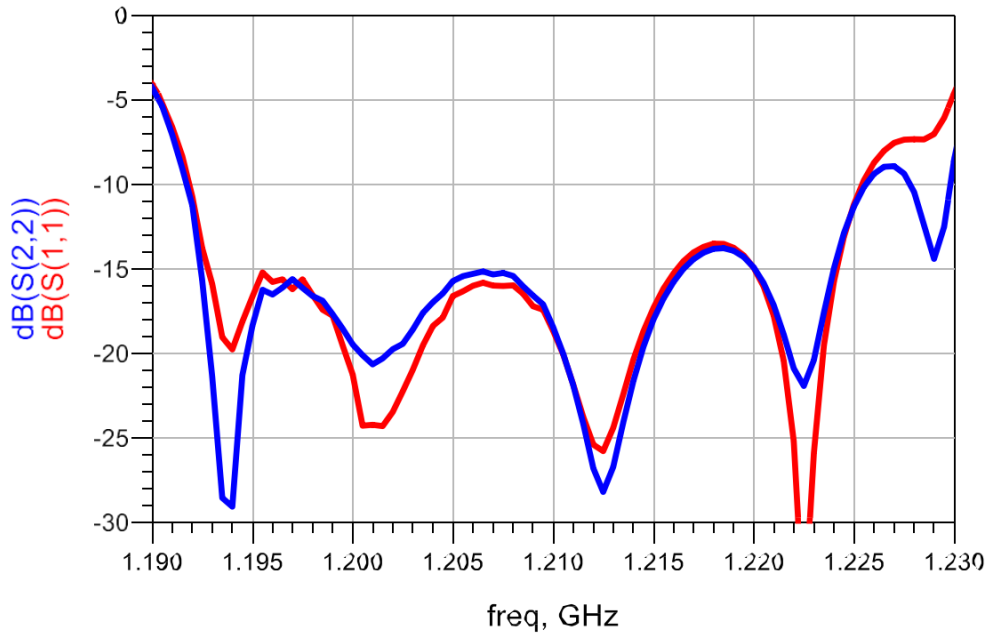
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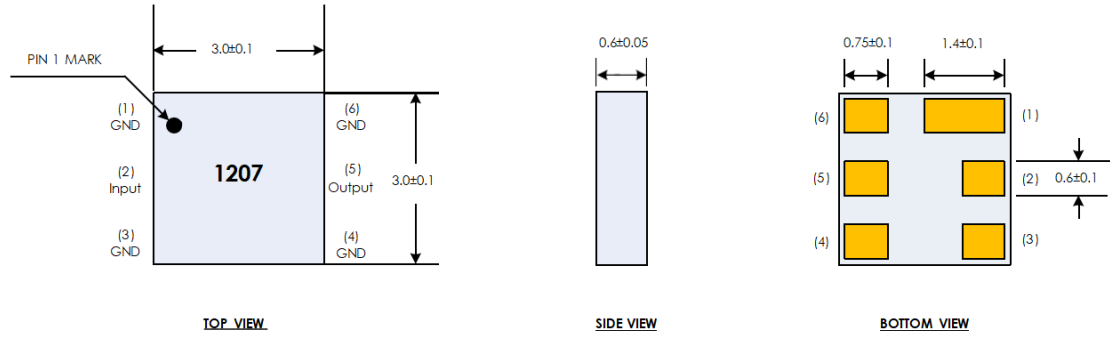
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Outline Drawing(Unit: μm)



Notes:

1. Dimensions in millimeters
2. Contact areas gold plated

- 2 Input
- 5 Output
- 1,3,4,6 GND

Revision History

Revision	Date	Description
A	2024-05-20	Initial document