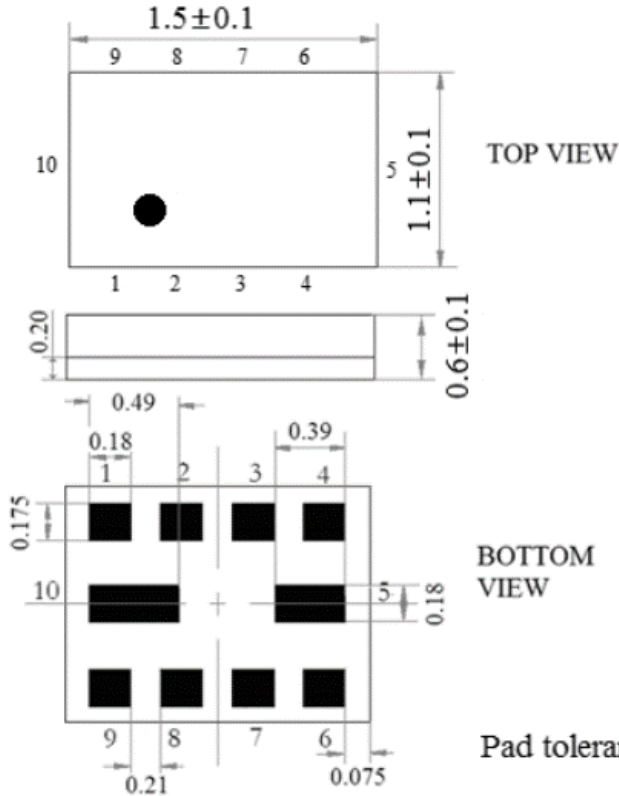


Electrical Specification

	Parameters	Value	Unit	
Low Freq. Filter	Low Frequency	1900.000	MHz	
	Insertion Loss, typ/max	1880 MHz ~ 1920 MHz	1.6 / 2.1	
	Pass Band Ripple, typ/max	1880 MHz ~ 1920 MHz	0.5 / 1.0	
	VSWR, typ/max	1880 MHz ~ 1920 MHz	1.5 / 1.8	
	Attenuation, min/typ	0.1 MHz ~ 1710 MHz	36 / 42	dB
		1710 MHz ~ 1785 MHz	38 / 42	dB
		1795 MHz ~ 1820 MHz	30 / 34	dB
		1950 MHz ~ 1980 MHz	8 / 25	dB
		1980 MHz ~ 2025 MHz	30 / 35	dB
		2400 MHz ~ 2500 MHz	40 / 44	dB
4900 MHz ~ 5950 MHz	25 / 30	dB		
High Freq. Filter	High Frequency	2017.500	MHz	
	Insertion Loss, typ/max	2010 MHz ~ 2025 MHz	1.6 / 2.3	
	Pass Band Ripple, typ/max	2010 MHz ~ 2025 MHz	0.2 / 0.8	
	VSWR, typ/max	2010 MHz ~ 2025 MHz	1.4 / 1.8	
	Attenuation, min/typ	10 MHz ~ 1925 MHz	37 / 42	dB
		1710 MHz ~ 1785 MHz	37 / 42	dB
		1925 MHz ~ 1970 MHz	11 / 30	dB
		2060 MHz ~ 2085 MHz	4 / 10	dB
		2085 MHz ~ 2110 MHz	40 / 47	dB
		2400 MHz ~ 2500 MHz	40 / 43	dB
4900 MHz ~ 5950 MHz	44 / 48	dB		
Input Power, max (5000h)		20	dBm	
DC Voltage		5	V	
ESD Voltage ESD (MM)		50	V	
Sensitive Discharge Device ESD (HBM)		175	V	
Operating Temperature Range		-30 ~ +85	°C	
Storage Temperature Range		-40 ~ +85	°C	

Dimension



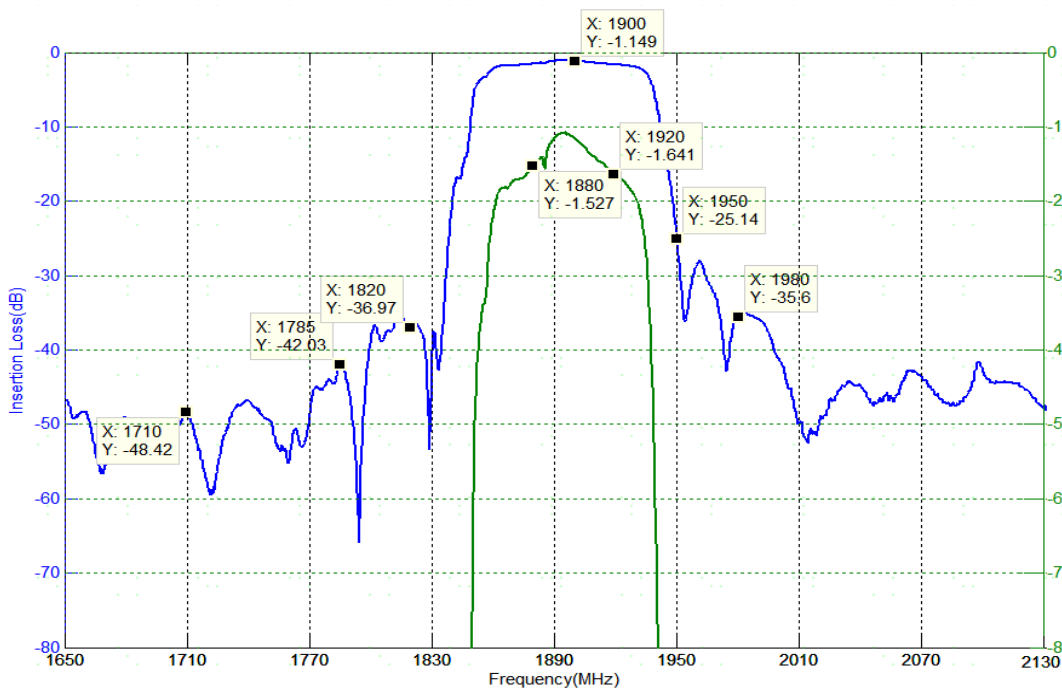
Pin Configuration

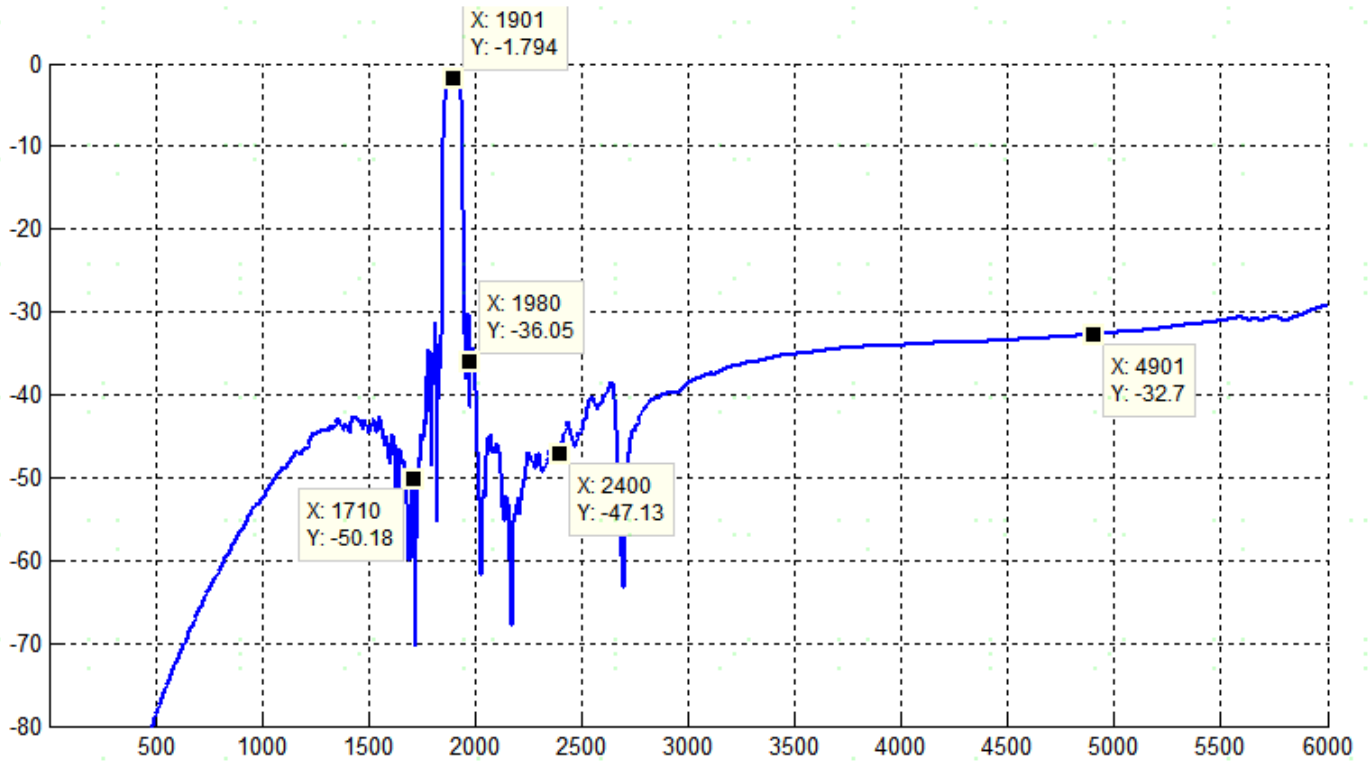
- 1. Input (1900/2017.5MHz)
- 6. Output(High Freq. Filter 2017.5MHz)
- 9. Output(Low Freq. Filter 1900MHz)
- Other Ground

Pad tolerances: ±0.05

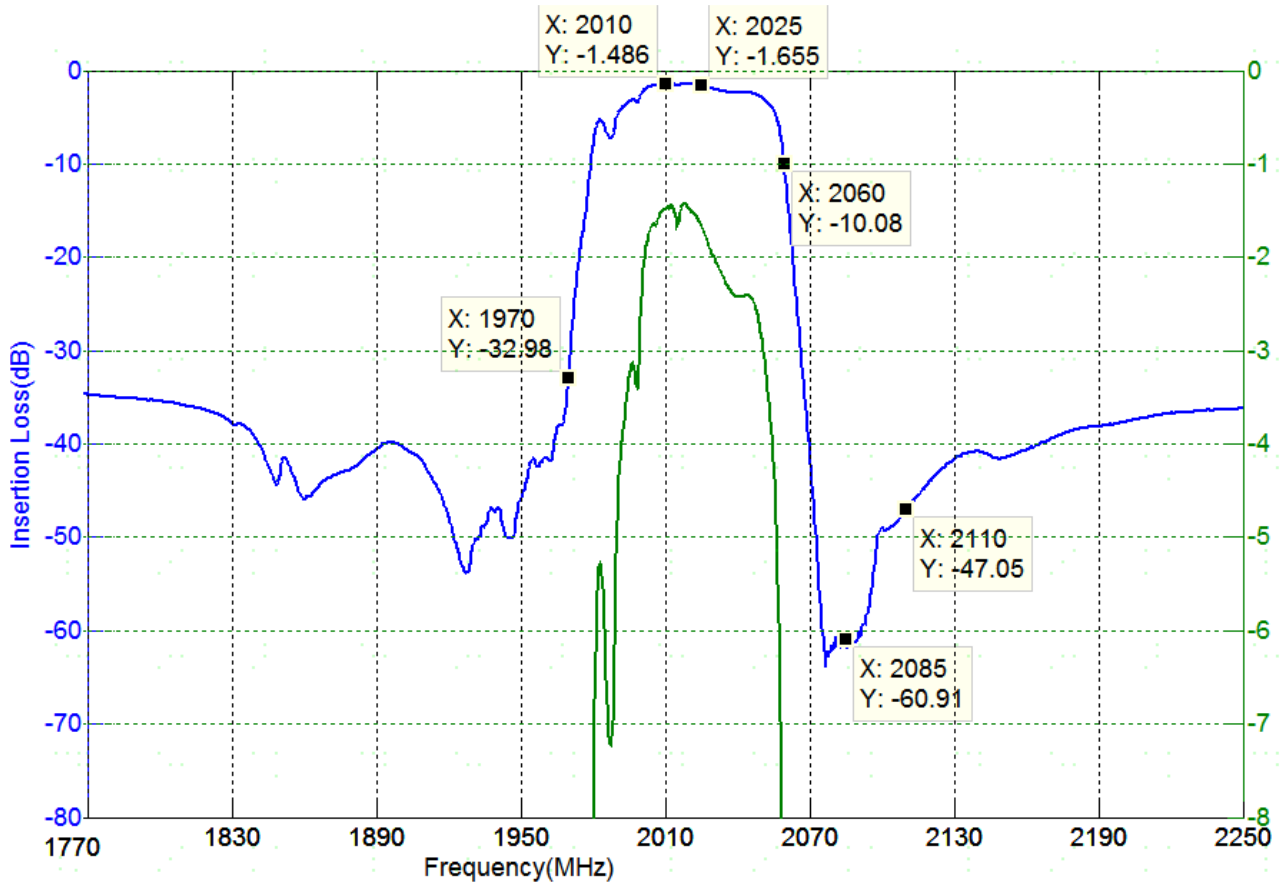
Frequency Characteristics

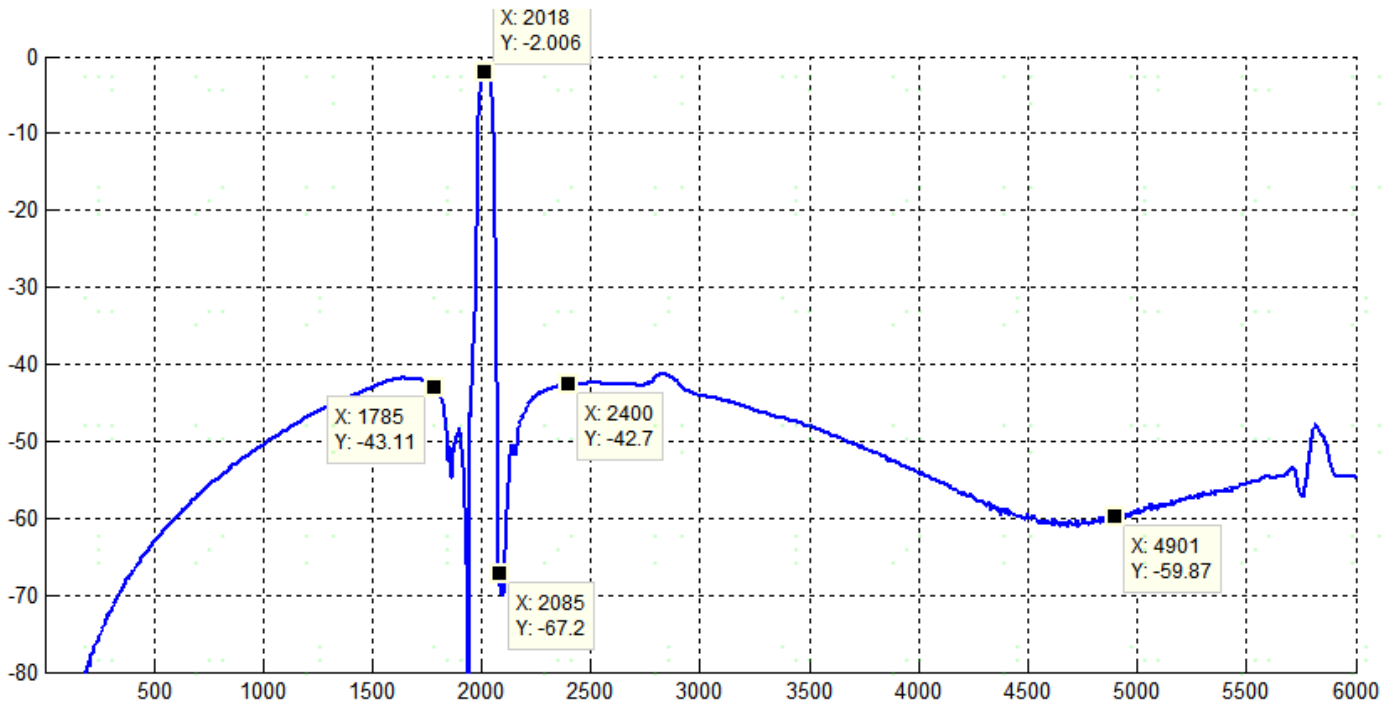
Low Freq. Filter



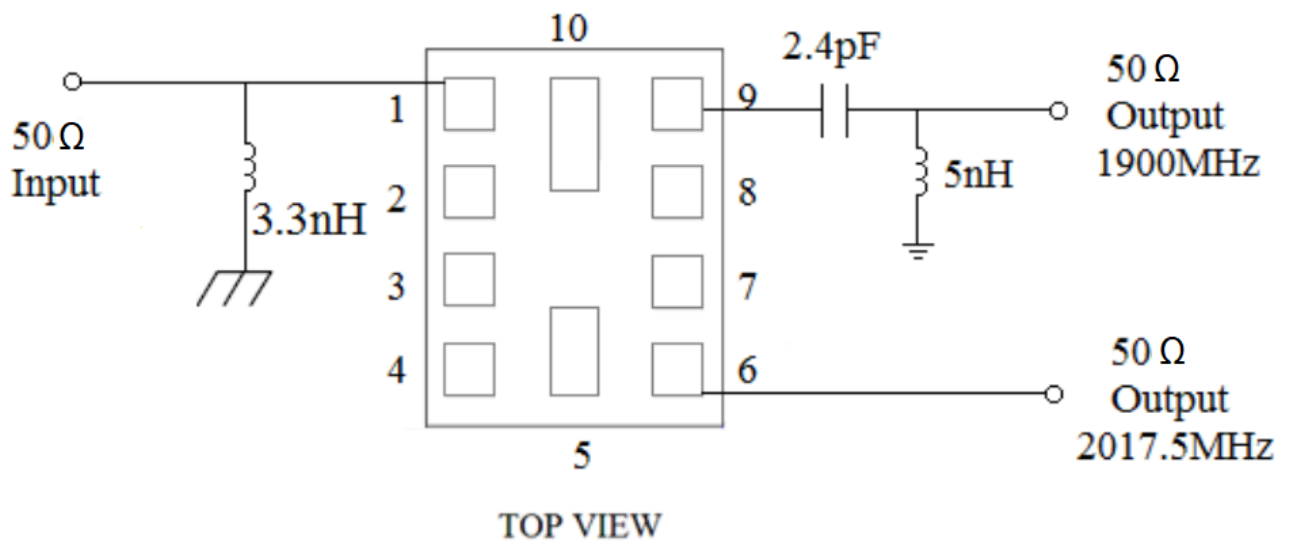


High Freq. Filter





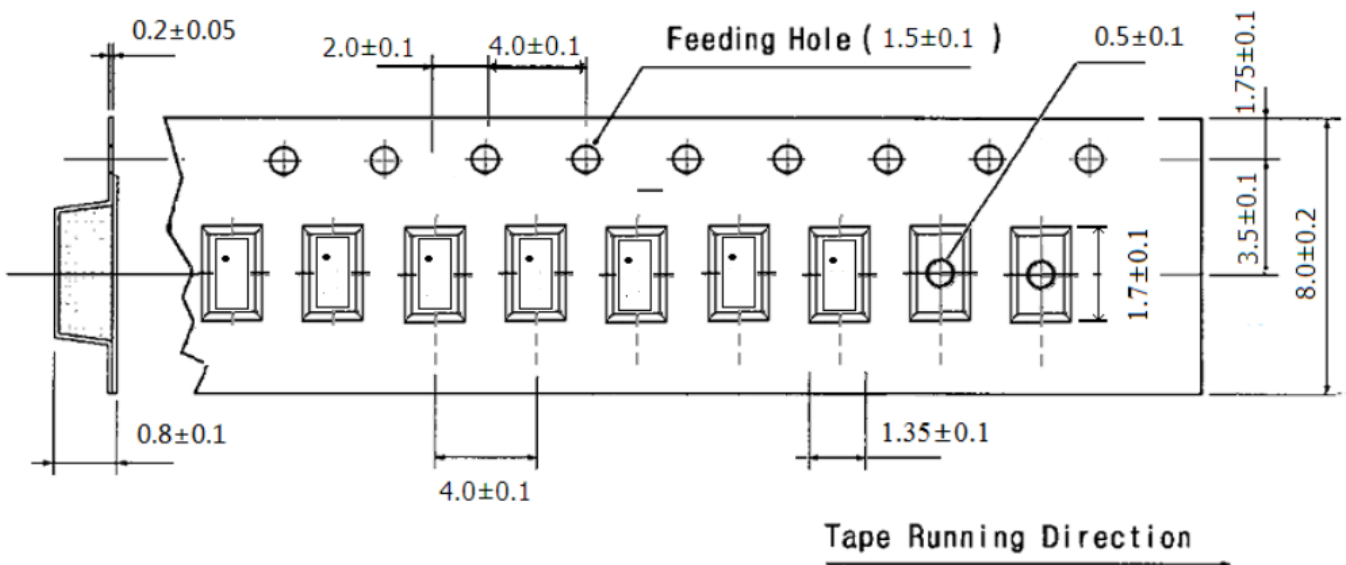
Test Circuit



Environmental

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	2
REACH – SVHC	Compliant
RoHS	Compliant

Tape Dimension



● APPROVAL

DRAWN BY	AR, August 12, 2021
APPROVED BY	CP, August 12, 2021
REVISION	A, Initial Release

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