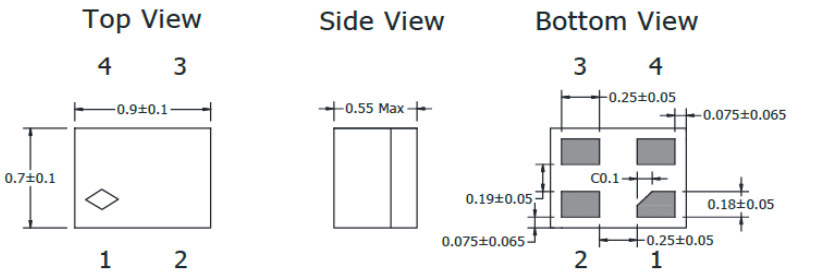
RSF-1582.470-46838-0907-W-TR

Electrical Specification

Parameters		Value	Unit
Center Frequency (Fo)		1582.470	MHz
Insertion Loss, typ/max	@ 1559.052 ~ 1563.140 MHz	1.4 / 1.9	dB
	@ 1574.420 ~ 1576.420 MHz	1.0 / 1.3	dB
	@ 1597.550 ~ 1605.890 MHz	1.4 / 1.7	dB
Passband Ripple, typ/max	@ 1559.052 ~ 1563.140 MHz	0.5 / 1.0	dBp-p
	@ 1574.420 ~ 1576.420 MHz	0.1 / 0.4	dBp-p
	@ 1597.550 ~ 1605.890 MHz	0.5 / 0.8	dBp-p
VSWR, typ/max	@ 1559.052 ~ 1563.140 MHz	1.3 / 1.9	-
	@ 1574.420 ~ 1576.420 MHz	1.3 / 1.8	-
	@ 1597.550 ~ 1605.890 MHz	1.3 / 1.9	-
Group Delay, typ/max	@ 1597.550 ~ 1605.890 MHz	14 / 20	ns
Attenuation, min/typ	@ 10.000 ~ 960.000 MHz	-34 / -36	dB
	@ 960.000 ~ 1463.000 MHz	-34 / -36	dB
	@ 1710.000 ~ 1785.000 MHz	-37 / -43	dB
	@ 1785.000 ~ 1990.000 MHz	-35 / -38	dB
	@ 1990.000 ~ 2280.000 MHz	-34 / -37	dB
	@ 2280.000 ~ 2400.000 MHz	-37 / -46	dB
	@ 2400.000 ~ 2500.000 MHz	-37 / -47	dB
	@ 2500.000 ~ 2700.000 MHz	-33 / -46	dB
	@ 2700.000 ~ 3000.000 MHz	-30 / -43	dB
	@ 3000.000 ~ 6000.000 MHz	-28 / -36	dB
DC Voltage		3	VDC
Input Power		15	dBm
Input/Output Impedance		50	Ω
Operating Temperature Range		-30 ~ +85	°C
Storage Temperature Range		-40 ~ +85	°C

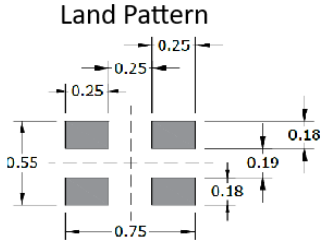
Dimensions



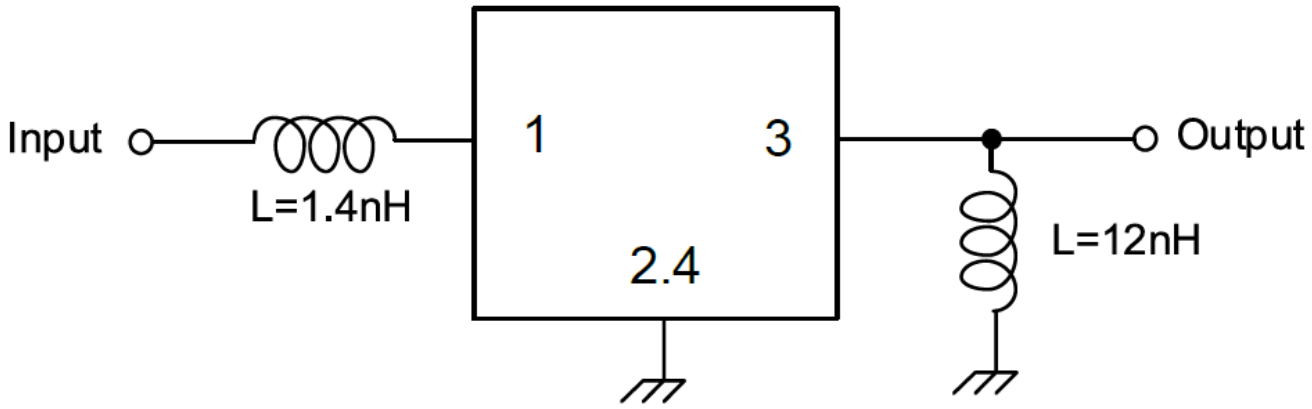
Pin Descriptions

Pin	Description
1	Input
2	GND
3	Output
4	GND

Unit:mm

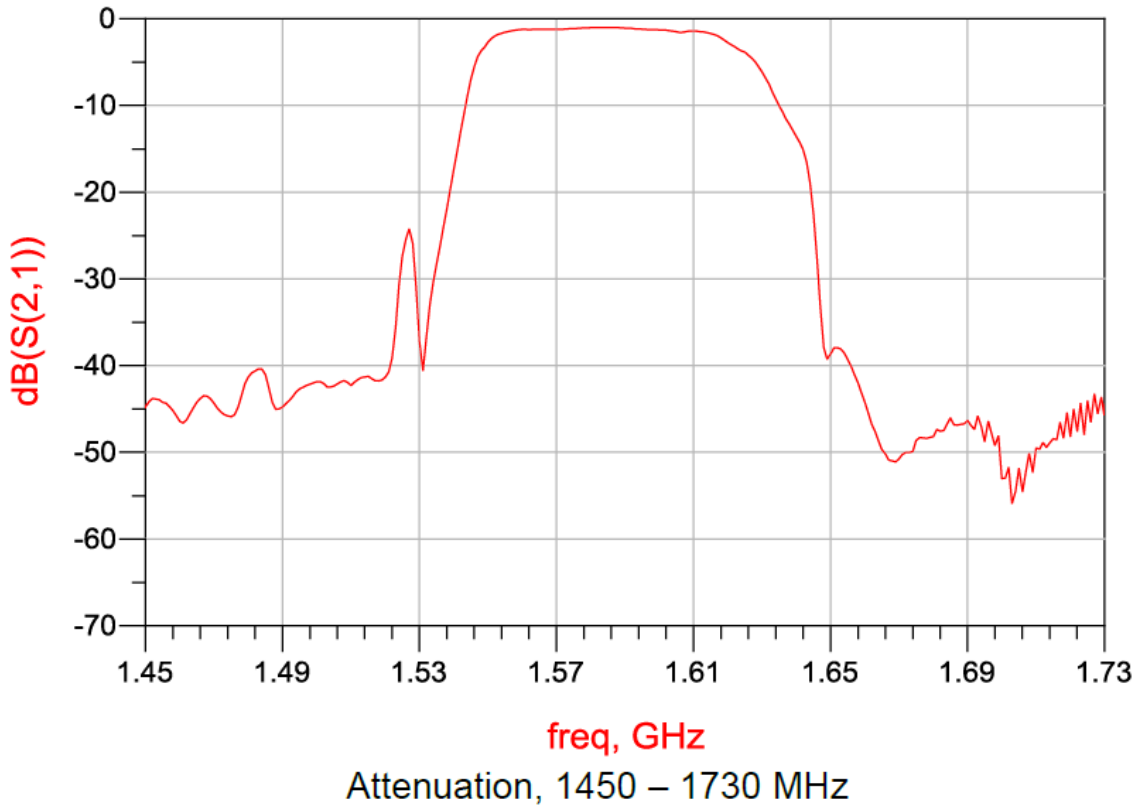


Test Circuit



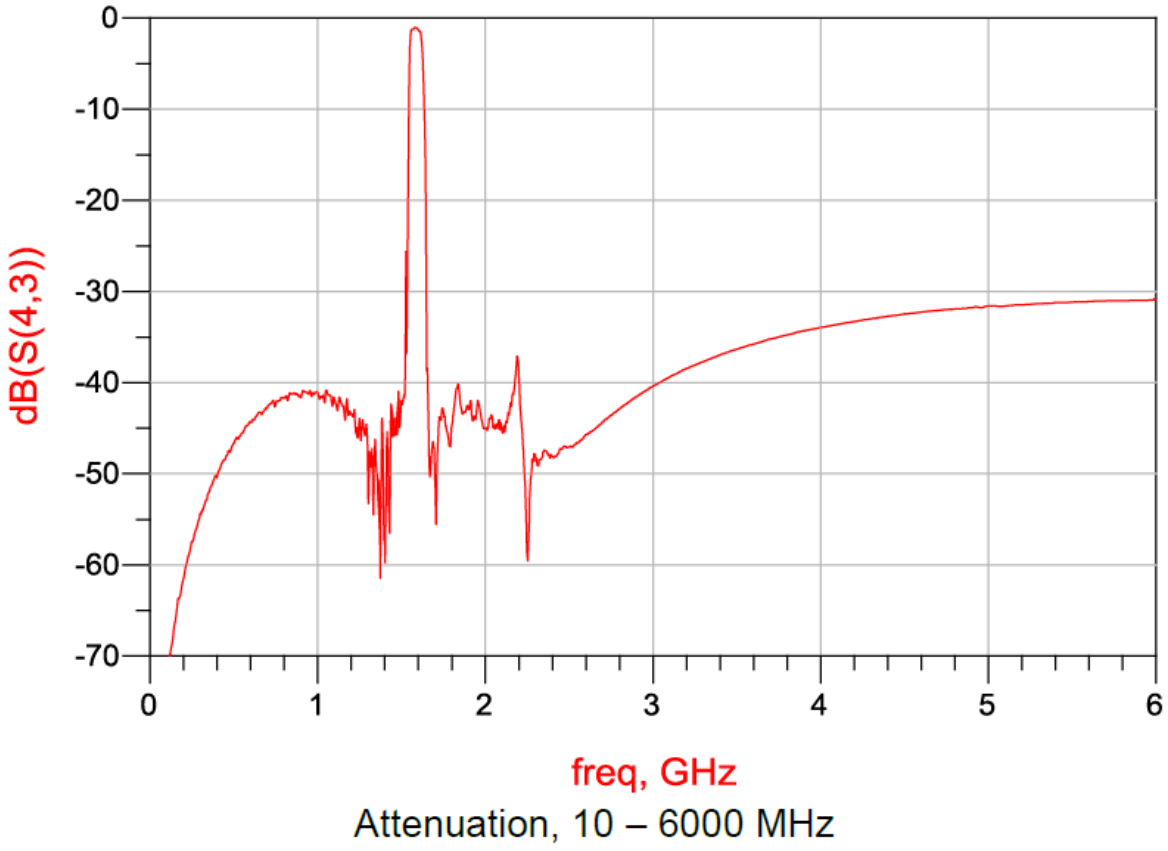
Frequency Characteristics

■ Insertion loss



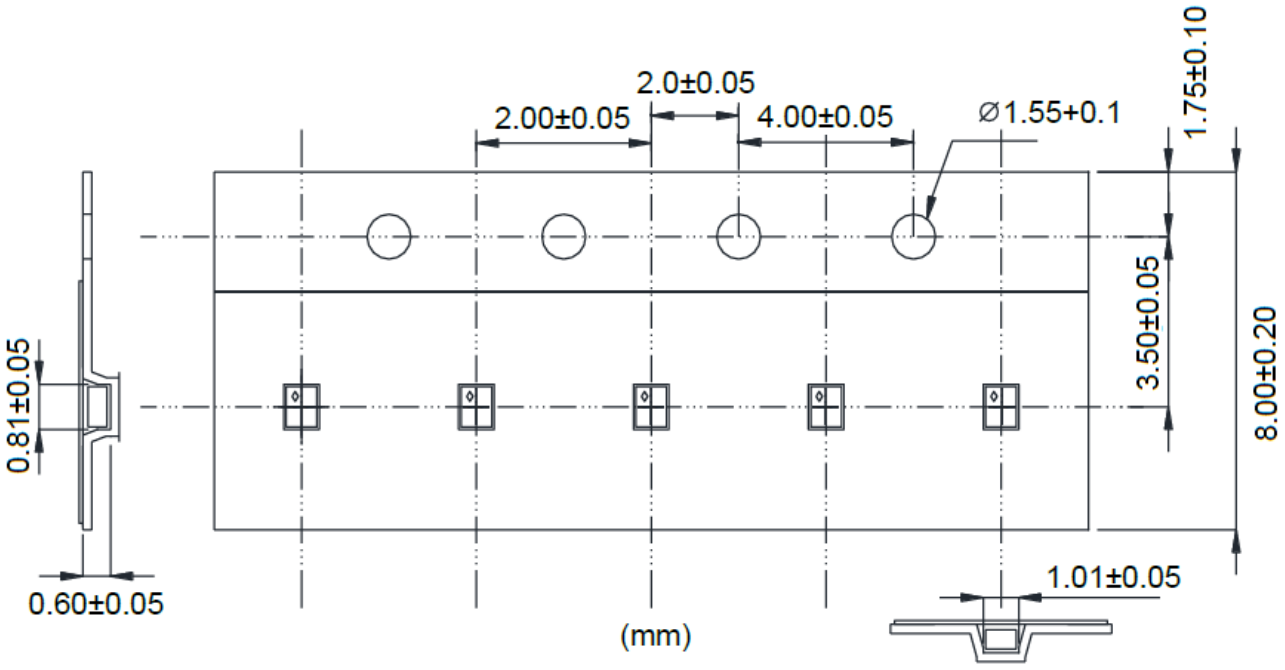
Attenuation, 1450 – 1730 MHz

■Attenuation



Attenuation, 10 – 6000 MHz

Tape Dimension



Environmental

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	3
REACH – SVHC	Compliant
RoHS	Compliant

- **APPROVAL**

DRAWN BY	JS, June 3, 2026
APPROVED BY	AR, June 3, 2026
REVISION	A, Initial Release

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