

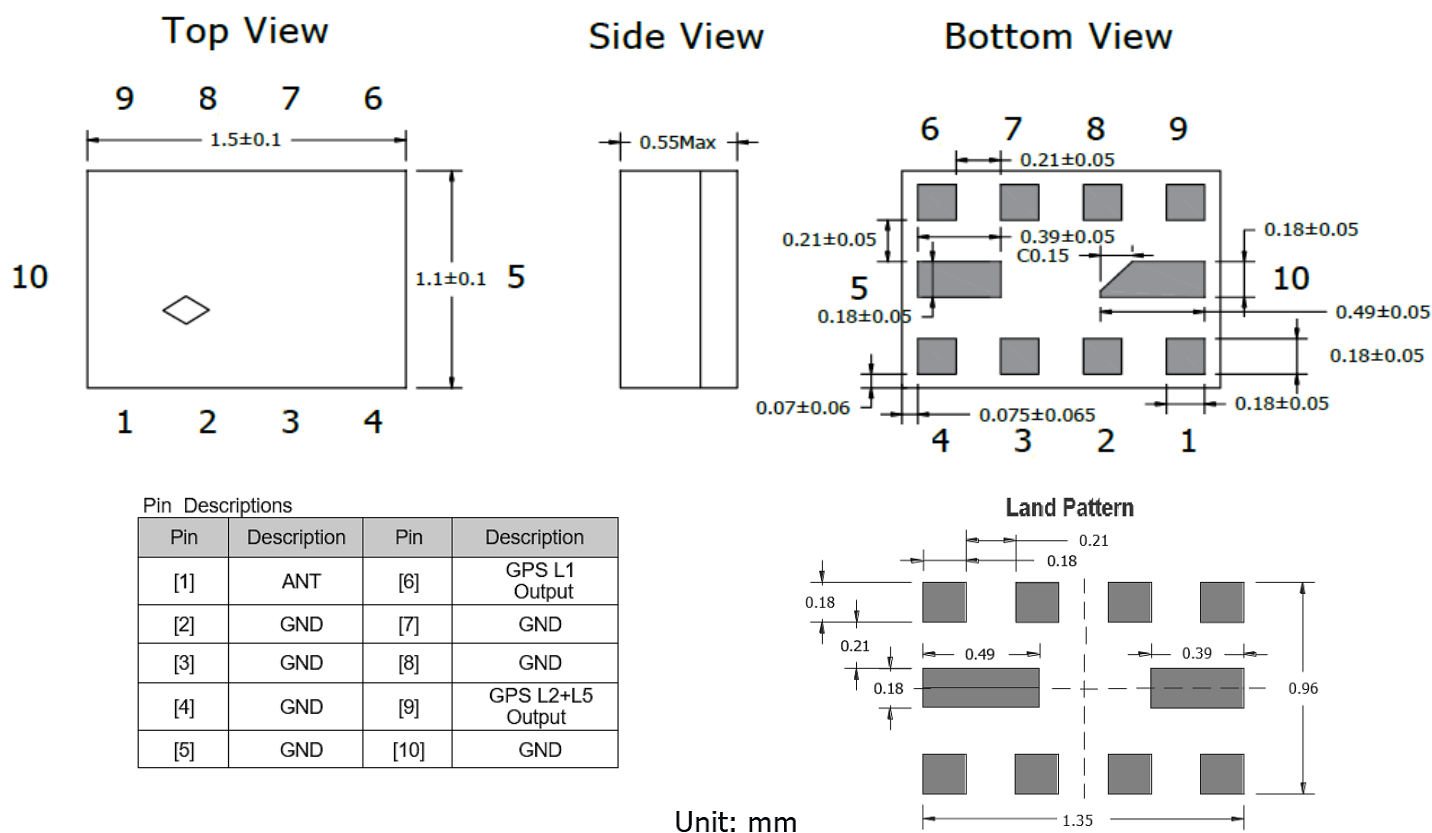
RSD-1197.420-1582.470-1511-W-TR

Electrical Specification

@ -30 ~ +85 °C

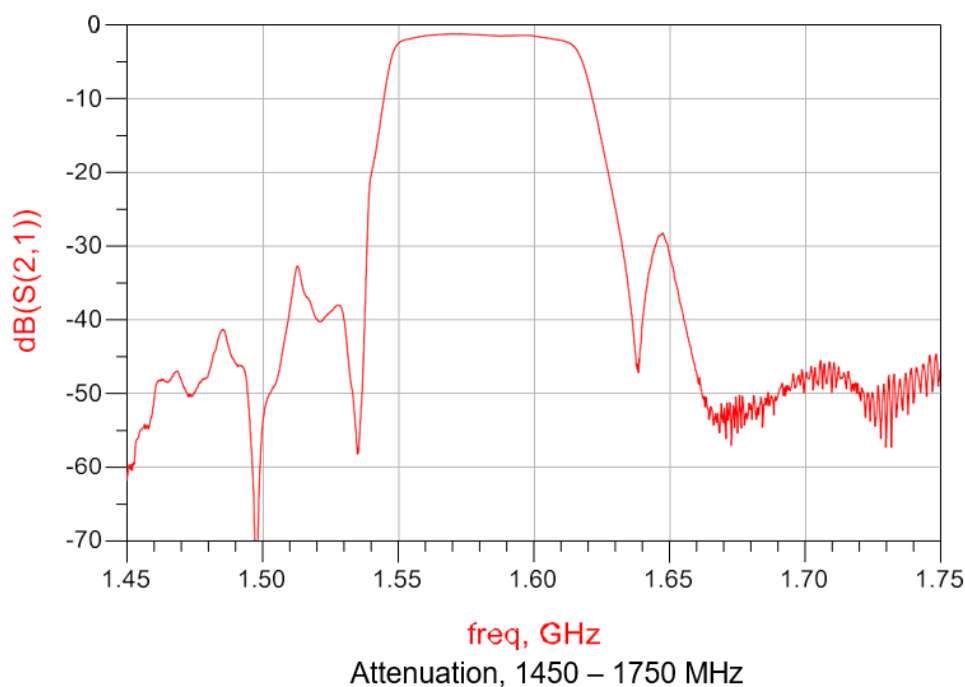
	Parameters		Value	Unit
GPS L1	Center Frequency		1582.470	MHz
	Insertion Loss, typ/max	1559.050 MHz ~ 1563.150 MHz	1.8 / 2.4	dB
		1574.390 MHz ~ 1576.450 MHz	1.4 / 1.9	dB
		1597.550 MHz ~ 1605.890 MHz	1.9 / 2.8	dB
	Pass Band Ripple, typ/max		0.5 / 1.0	dB
	Group Delay Ripple, typ/max		9 / 15	ns
	VSWR, typ/max		1.5 / 2.0	-
	Attenuation, min/typ	50.000 MHz ~ 925.000 MHz	36 / 44	dB
		925.000 MHz ~ 960.000 MHz	36 / 43	dB
		1427.000 MHz ~ 1463.000 MHz	35 / 44	dB
		1710.000 MHz ~ 1785.000 MHz	36 / 42	dB
		1786.000 MHz ~ 1797.000 MHz	36 / 41	dB
		1850.000 MHz ~ 1910.000 MHz	37 / 41	dB
		1910.000 MHz ~ 1980.000 MHz	38 / 42	dB
		2010.000 MHz ~ 2025.000 MHz	39 / 44	dB
		2300.000 MHz ~ 2315.000 MHz	40 / 46	dB
		2401.000 MHz ~ 2483.000 MHz	40 / 46	dB
		2496.000 MHz ~ 2690.000 MHz	41 / 47	dB
		5150.000 MHz ~ 5925.000 MHz	35 / 42	dB
GPS L2+L5	Center Frequency		1197.420	MHz
	Insertion Loss, typ/max	1166.220 MHz ~ 1186.680 MHz	1.5 / 2.0	dB
		1205.090 MHz ~ 1209.190 MHz	1.3 / 1.8	dB
		1226.580 MHz ~ 1228.620 MHz	1.3 / 1.9	dB
	Pass Band Ripple, typ/max		0.5 / 1.0	dB
	Group Delay Ripple, typ/max		12 / 20	ns
	VSWR, typ/max		1.6 / 2.3	-
	Attenuation, min/typ	638.000 MHz ~ 748.000 MHz	36 / 44	dB
		777.000 MHz ~ 798.000 MHz	33 / 40	dB
		807.000 MHz ~ 915.000 MHz	30 / 37	dB
		925.000 MHz ~ 960.000 MHz	26 / 32	dB
		1427.000 MHz ~ 1463.000 MHz	27 / 33	dB
		1626.500 MHz ~ 1660.500 MHz	25 / 32	dB
		1695.000 MHz ~ 1785.000 MHz	20 / 30	dB
		1850.000 MHz ~ 2025.000 MHz	35 / 42	dB
		2300.000 MHz ~ 2400.000 MHz	38 / 46	dB
		2400.000 MHz ~ 2483.000 MHz	38 / 47	dB
		2496.000 MHz ~ 2690.000 MHz	38 / 46	dB
		3400.000 MHz ~ 3800.000 MHz	30 / 37	dB
4400.000 MHz ~ 4900.000 MHz		28 / 36	dB	
5150.000 MHz ~ 5925.000 MHz		27 / 35	dB	
Input Power, max (5000h), 55°C			15	dBm
Operating Temperature Range			-30 ~ +85	°C
Storage Temperature Range			-30 ~ +85	°C

Dimension



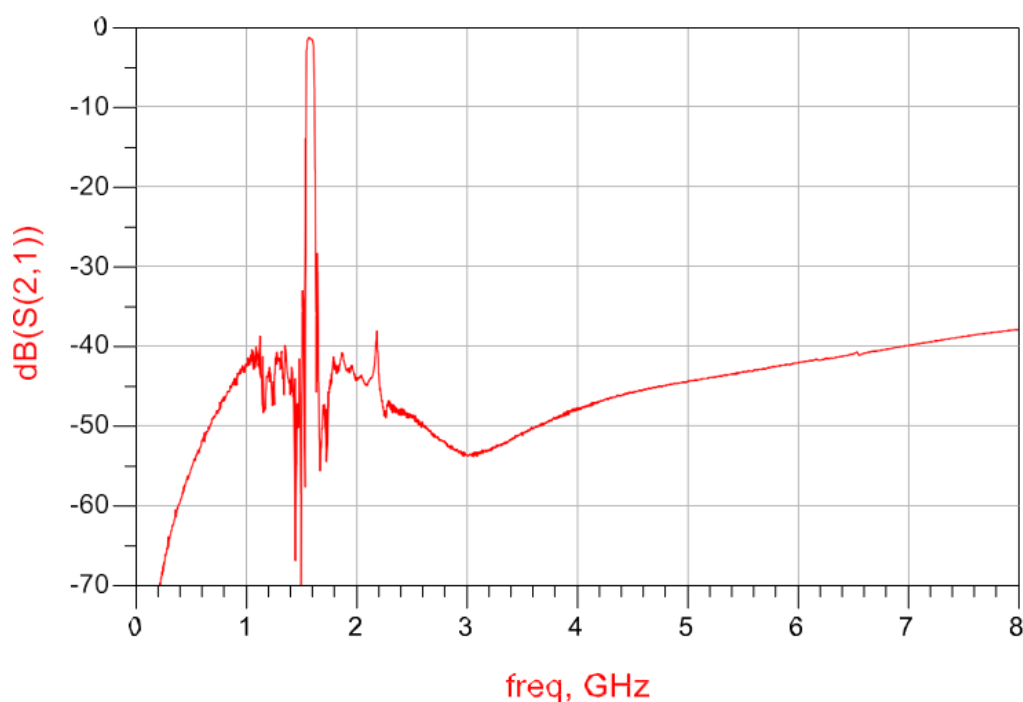
Frequency Characteristics

Insertion Loss (GPS L1)



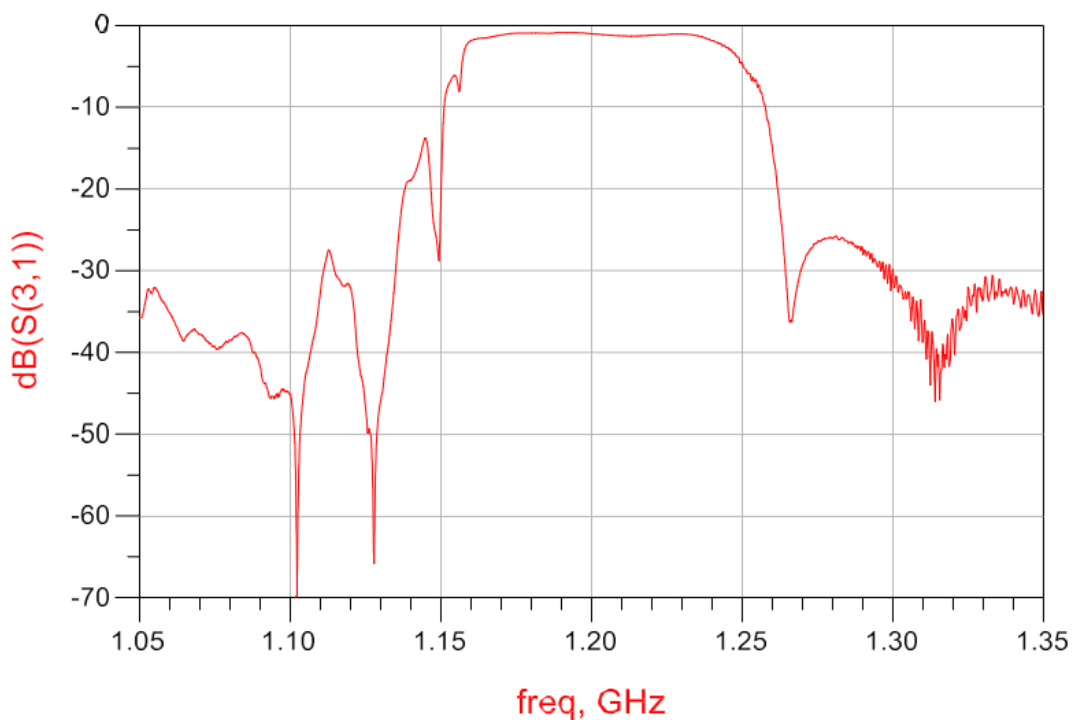
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Attenuation (GPS L1)



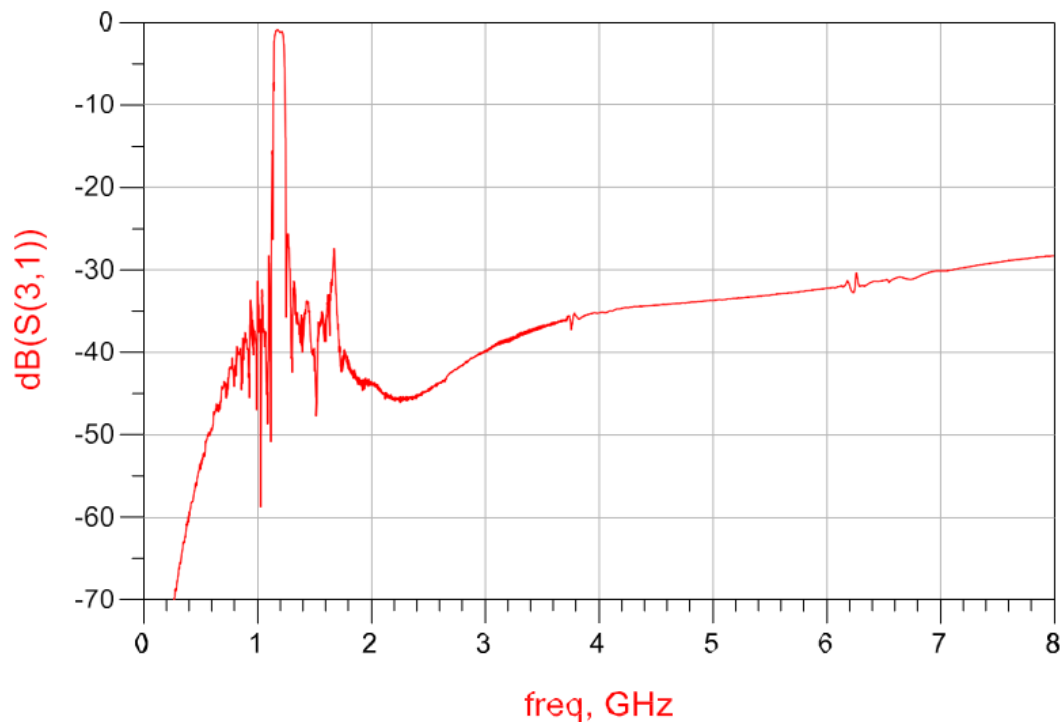
Attenuation, 10 – 8000 MHz

Insertion Loss (GPS L2 + L5)

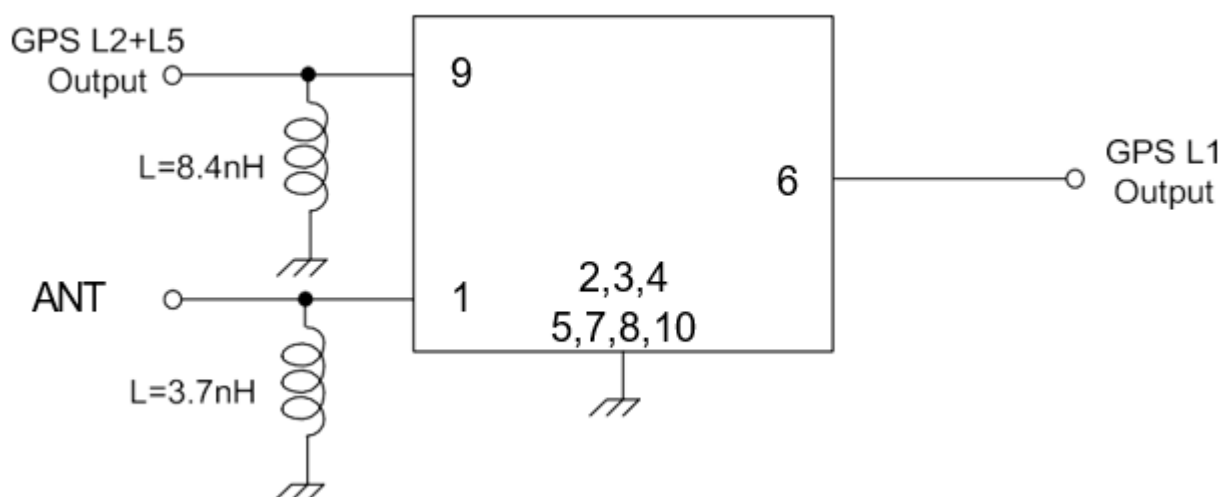


Attenuation, 1050 – 1350 MHz

Attenuation (GPS L2 + L5)



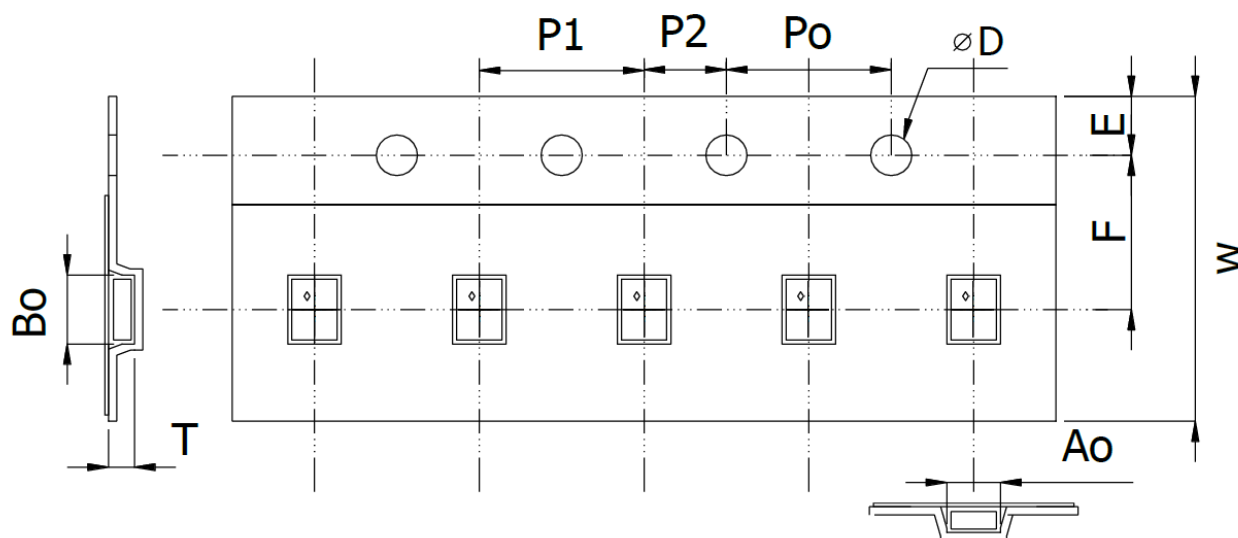
Test Circuit



Environmental

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

Tape Dimension



Plastic Tape specifications

Index	Ao	Bo	ΦD	T	W
Dimension (mm)	1.30±0.05	1.70±0.05	1.50+0.1/-0.0	0.74±0.05	8.00 +0.30/-0.10
Index	E	F	Po	P1	P2
Dimension (mm)	1.75±0.10	3.50±0.05	4.00±0.10	4.00±0.10	2.0±0.05

5000 pcs per reel

● APPROVAL

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

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