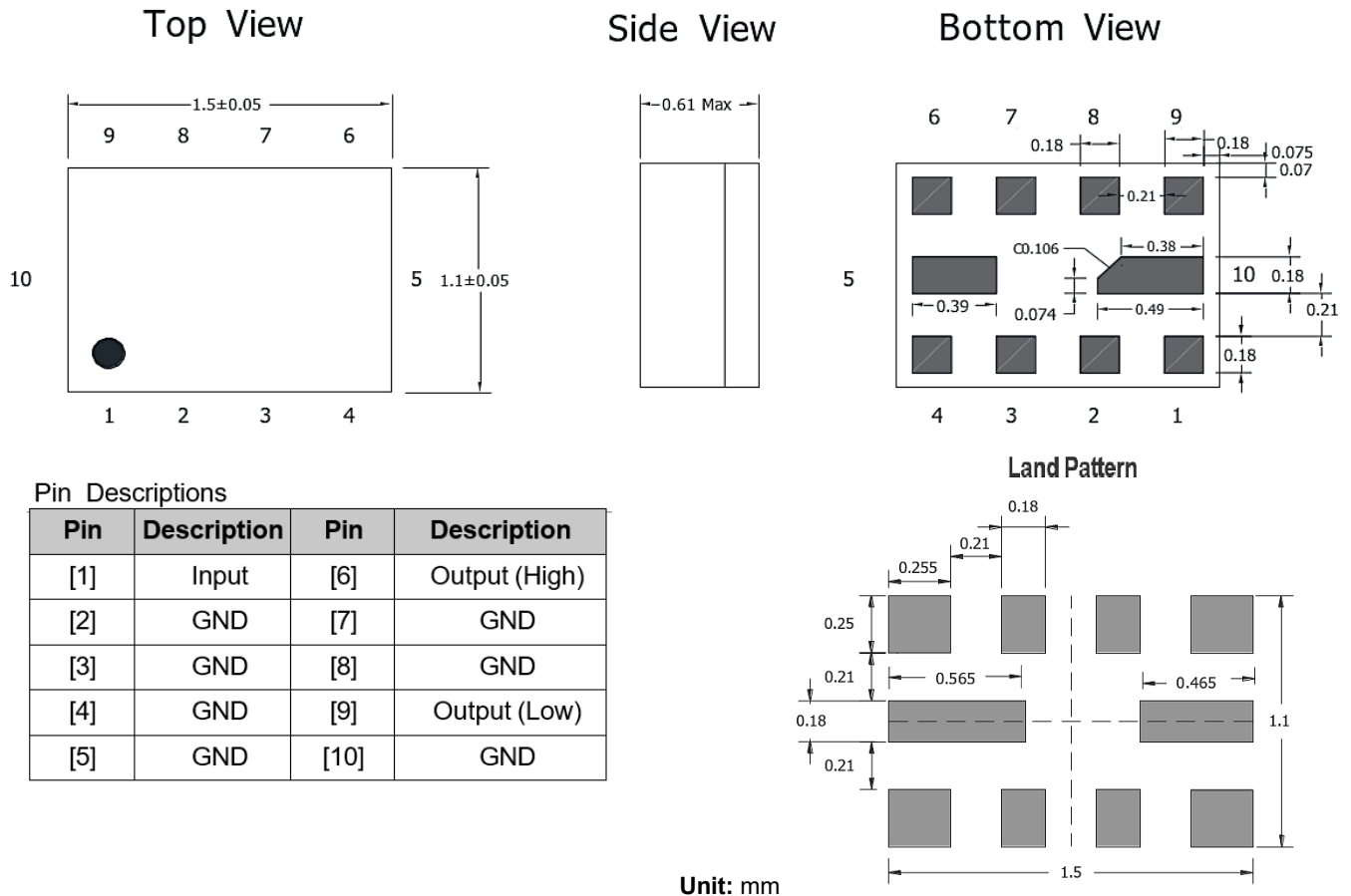


Electrical Specification

@ -40 ~ +85 °C

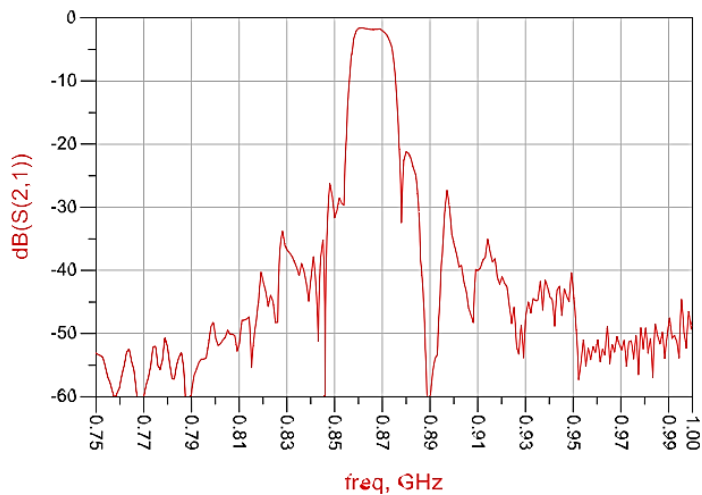
Parameters				Value	Unit	
Low Band	Center Frequency			866.500	MHz	
	Insertion Loss, typ/max	@ +25°C	863.000 MHz ~ 870.000 MHz	2.0 / 2.7	dB	
		@ -40 ~ +85 °C	863.000 MHz ~ 870.000 MHz	2.0 / 4.8	dB	
	Pass Band Ripple, typ/max	@ +25°C	863.000 MHz ~ 870.000 MHz	0.4 / 1.0	dBp-p	
		@ -40 ~ +85 °C	863.000 MHz ~ 870.000 MHz	0.4 / 4.0	dBp-p	
	VSWR, typ/max	Input	863.000 MHz ~ 870.000 MHz	1.7 / 2.5	-	
		Output	863.000 MHz ~ 870.000 MHz	1.8 / 2.6	-	
	Absolute Attenuation, min/typ			791.000 MHz ~ 821.000 MHz	36 / 41	dB
				832.000 MHz ~ 847.000 MHz	25 / 35	dB
				847.000 MHz ~ 862.000 MHz	1.5 / 1.9	dB
				880.000 MHz ~ 960.000 MHz	10 / 22	dB
				1880.000 MHz ~ 1900.000 MHz	32 / 37	dB
2400.000 MHz ~ 2500.000 MHz				25 / 31	dB	
High Band	Center Frequency			915.000	MHz	
	Insertion Loss, typ/max	@ +25°C	902.000 MHz ~ 928.000 MHz	2.0 / 2.8	dB	
		@ -40 ~ +85 °C	902.000 MHz ~ 905.000 MHz	2.0 / 6.2	dB	
		@ -40 ~ +85 °C	905.000 MHz ~ 928.000 MHz	1.7 / 2.6	dB	
	Pass Band Ripple, typ/max	@ +25°C	902.000 MHz ~ 928.000 MHz	0.7 / 1.5	dBp-p	
		@ -40 ~ +85 °C	902.000 MHz ~ 905.000 MHz	0.7 / 5.2	dBp-p	
		@ -40 ~ +85 °C	905.000 MHz ~ 928.000 MHz	0.6 / 1.4	dBp-p	
	VSWR, typ/max	Input	902.000 MHz ~ 928.000 MHz	1.8 / 3.0	-	
		Output	902.000 MHz ~ 928.000 MHz	1.8 / 3.0	-	
	Absolute Attenuation, min/typ			824.000 MHz ~ 894.000 MHz	5 / 40	dB
				1910.000 MHz ~ 1930.000 MHz	43 / 48	dB
				2400.000 MHz ~ 2500.000 MHz	31 / 36	dB
Input Power, max (5000h), 85°C				17	dBm	
Operating Temperature Range				-40 ~ +85	°C	
Storage Temperature Range				-40 ~ +85	°C	

Dimension

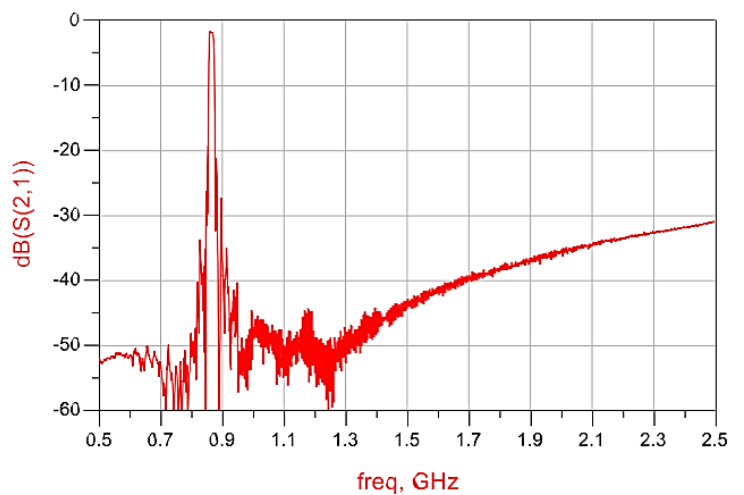


Frequency Characteristics

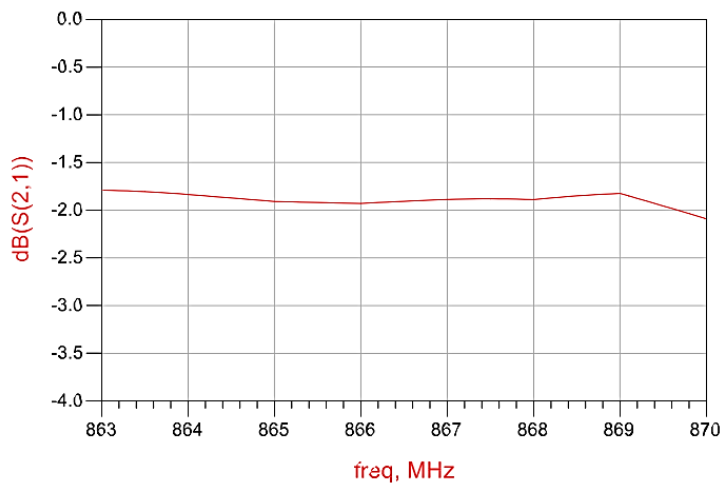
Low Band insertion loss



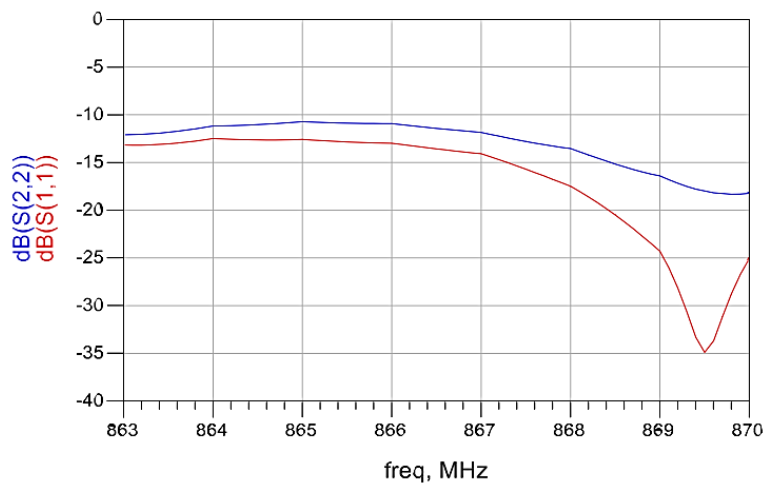
Low Band Attenuation



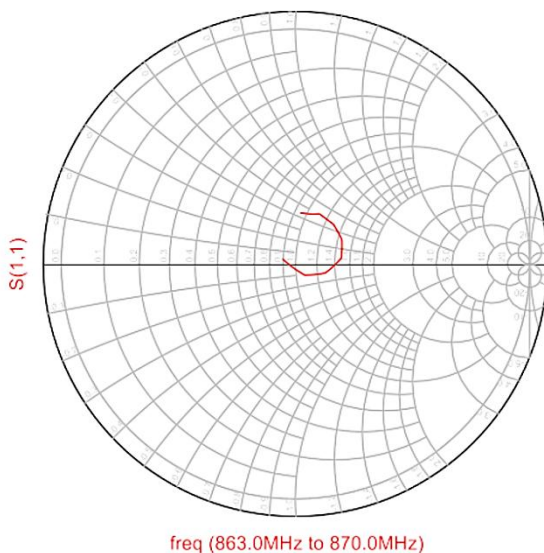
■ Low Band insertion loss



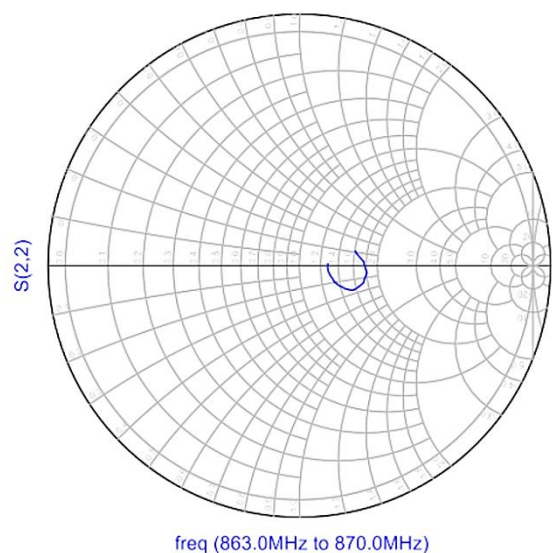
■ Low Band Return loss



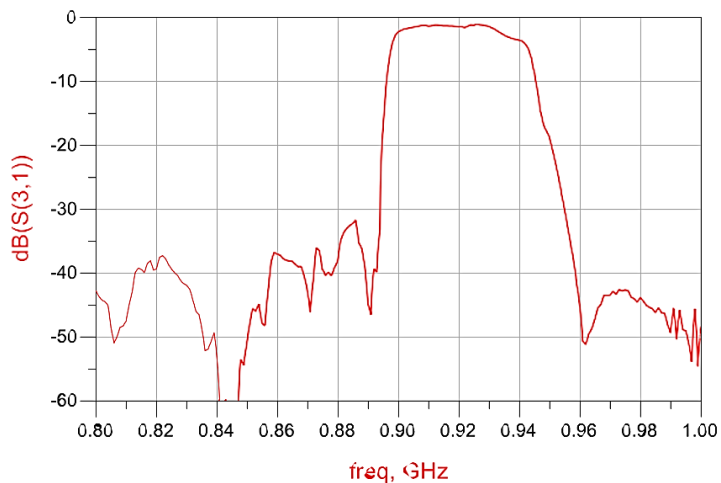
■ Low Band Input Smith chart



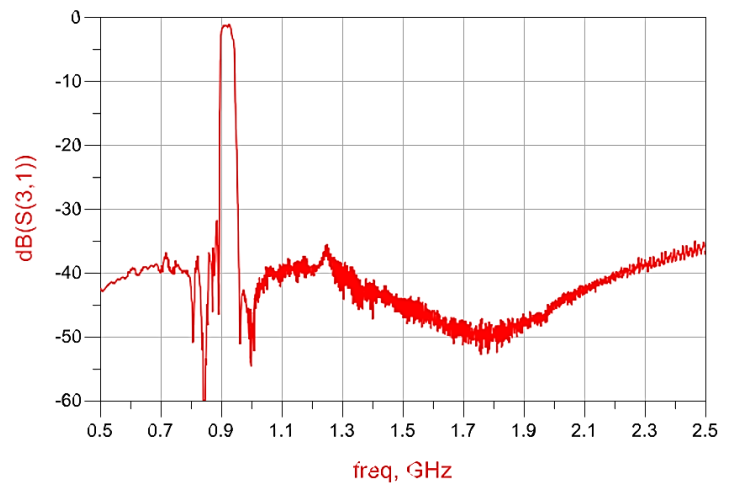
■ Low Band output Smith chart



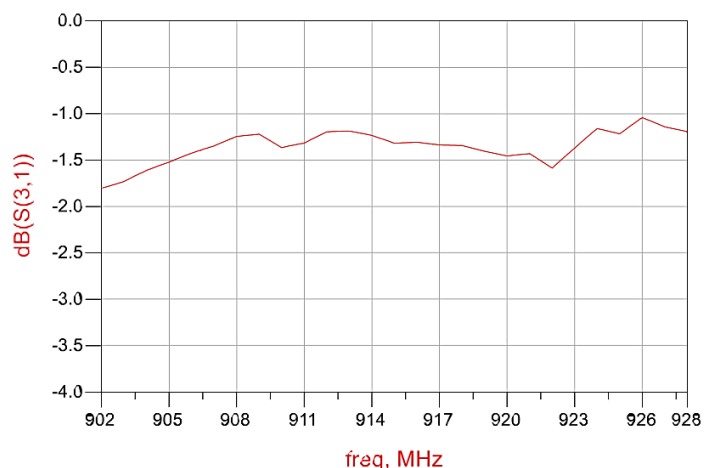
■ High Band insertion loss



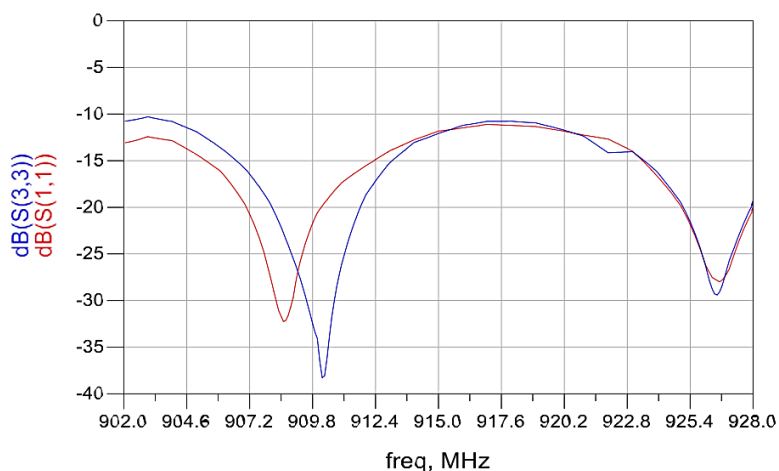
■ High Band Attenuation



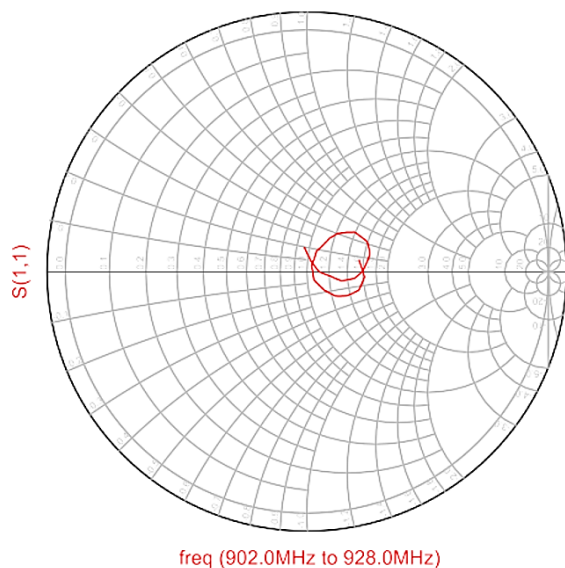
■ High Band insertion loss



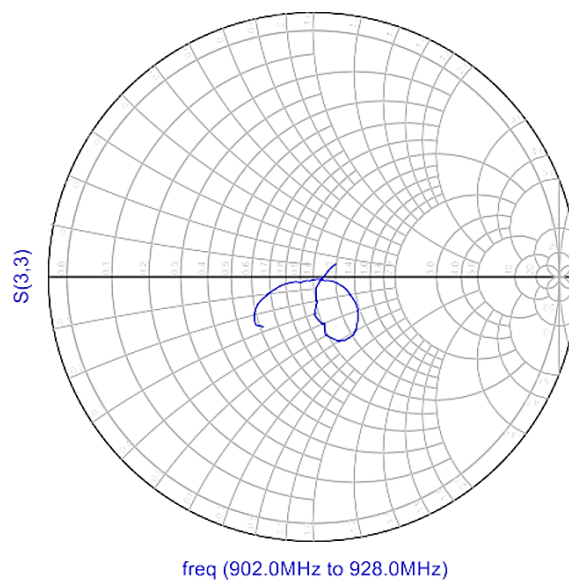
■ High Band Return loss



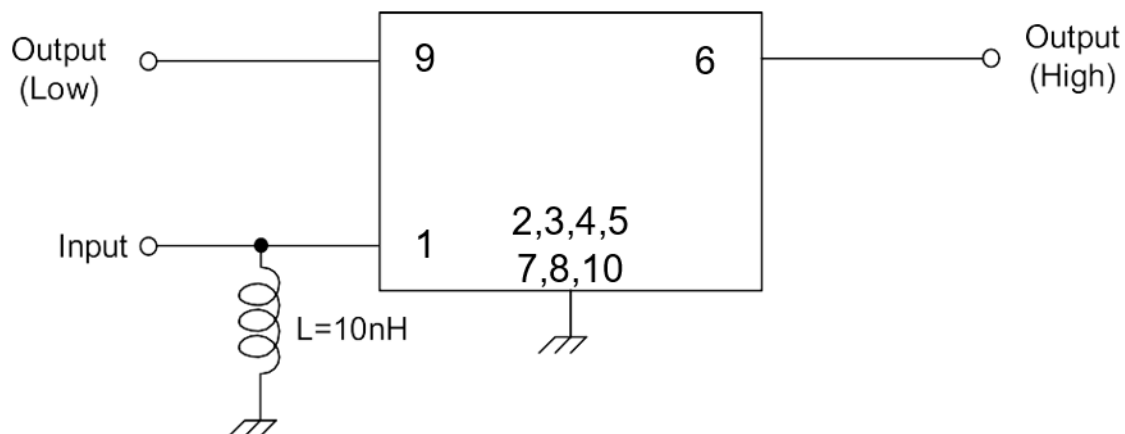
■ High Band Input Smith chart



■ High Band output Smith chart



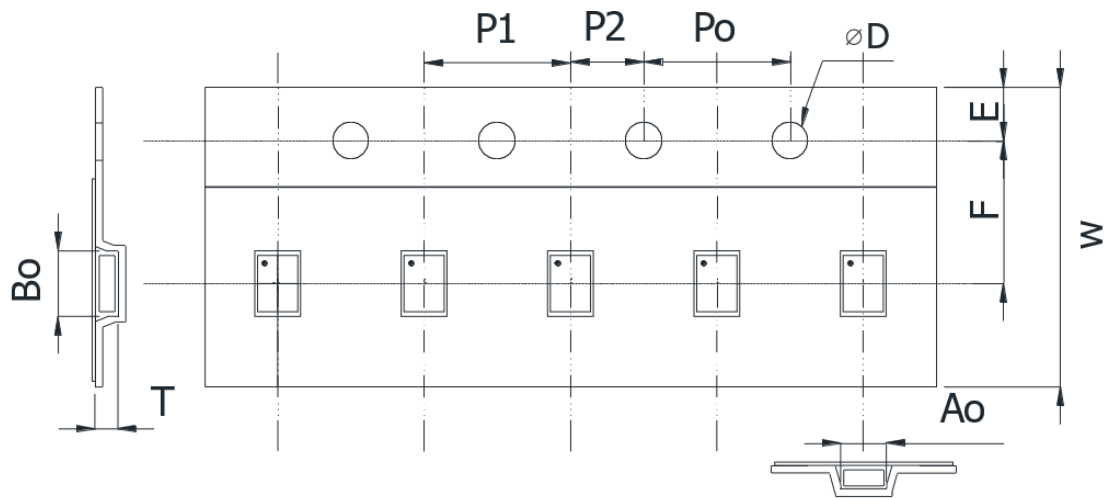
Test Circuit



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)	1.40±0.05	1.80±0.05	1.50+0.10/-0	0.70±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	2.00±0.05

5000 pcs per reel

● APPROVAL

DRAWN BY	EV, June 4, 2026
APPROVED BY	AR, June 4, 2026
REVISION	A, Initial Release

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