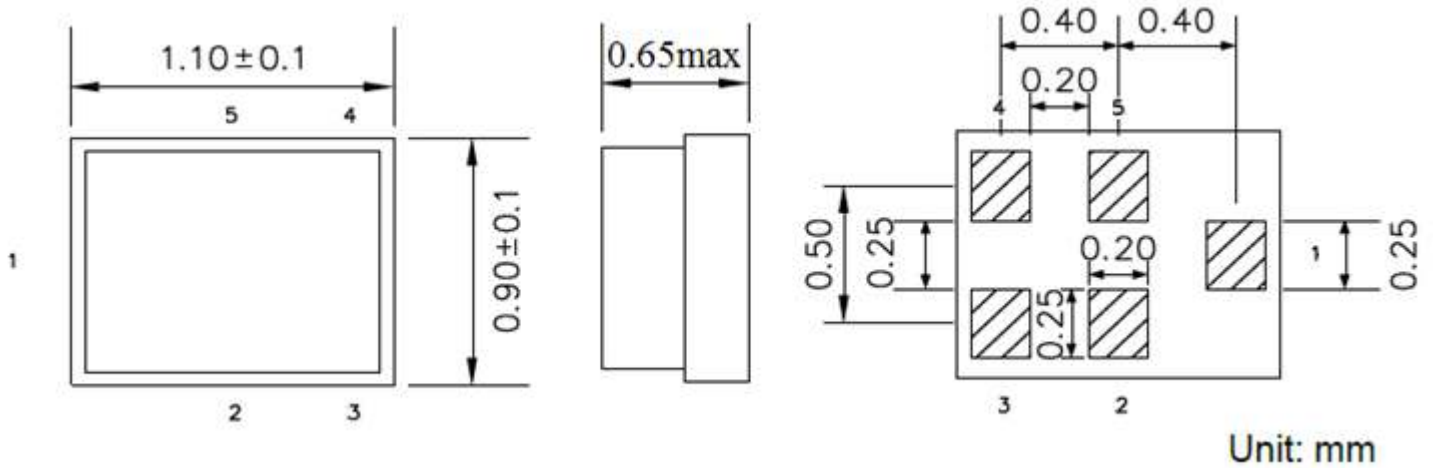


- ❖ Support Band 12, Band 13 Band 14 and Band 67 (RX), receive path (RX)
- ❖ Impedance 50 Ω Input and Output
- ❖ Unbalanced to Unbalanced Operation
- ❖ Low Insertion Loss
- ❖ RoHS Compliant

Electrical Specification

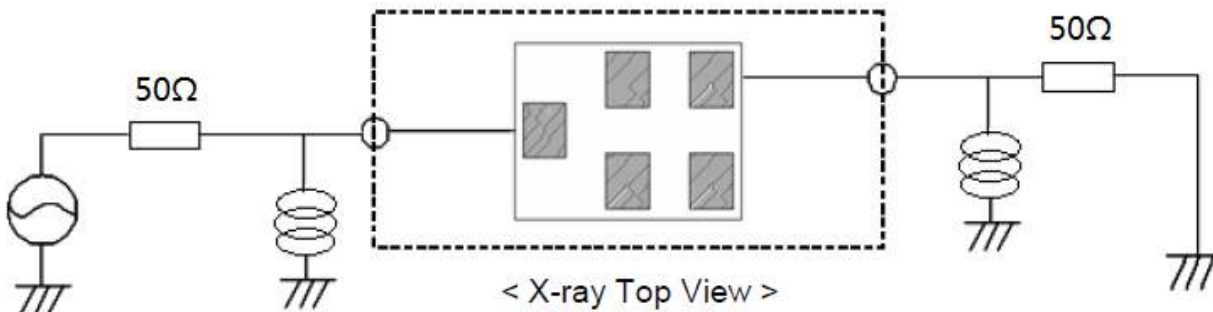
Parameters		Value	Unit	
Insertion Loss, typ/max	Band 12 Rx	729 ~ 746 MHz	1.7 / 2.0	dB
	Band 67 Rx	738 ~ 758 MHz	1.5 / 1.8	dB
	Band 13 Rx	746 ~ 756 MHz	1.5 / 1.8	dB
	Band 14 Rx	758 ~ 768 MHz	1.6 / 2.0	dB
Pass Band Ripple, typ/max	Band 12 Rx	729 ~ 746 MHz	0.5 / 1.0	dB
	Band 67 Rx	738 ~ 758 MHz	0.5 / 1.0	dB
	Band 13 Rx	746 ~ 756 MHz	0.5 / 1.0	dB
	Band 14 Rx	758 ~ 768 MHz	0.5 / 1.0	dB
VSWR, typ/max	Band 12 Rx	729 ~ 746 MHz	1.7 / 2.2	-
	Band 67 Rx	738 ~ 758 MHz	1.7 / 2.0	-
	Band 13 Rx	746 ~ 756 MHz	1.7 / 2.0	-
	Band 14 Rx	758 ~ 768 MHz	1.7 / 2.2	-
Absolute Attenuation, min/ typ	Band 12 Tx	699 ~ 716 MHz	-35 / -40	dB
	Band 14 Tx	788 ~ 798 MHz	-20 / -24	dB
	Band 11 / Band 21 Tx	1427.9 ~ 1462.9 MHz	-40 / -44	dB
	Band 3 Tx	1705 ~ 1785 MHz	-40 / -44	dB
	Band 2 Tx	1850 ~ 1910 MHz	-39 / -44	dB
	Band 1 Tx	1920 ~ 1980 MHz	-38 / -42	dB
	ISM 2.4 G	2400 ~ 2500 MHz	-32 / -38	dB
	Band 41	2496 ~ 2690 MHz	-33 / -40	dB
	Band 42	3400 ~ 3600 MHz	-28 / -36	dB
ISM 5G	4900 ~ 5850 MHz	-23 / -34	dB	
DC Voltage		5	V	
Input Power, max	@ 2000 h	15	dBm	
ESD Voltage ESD (MM)		50	VDC	
Sensitive Discharge Voltage ESD(HBM)		175	VDC	
Terminating Source Impedance		50	Ω	
Terminating Load Impedance		50	Ω	
Operating Temperature Range		-30 ~ +85	$^{\circ}$ C	
Storage Temperature Range		-40 ~ +85	$^{\circ}$ C	

Dimensions



PIN #	PIN NAME	DESCRIPTION
1	IN	Input
2	GND	Ground
3	GND	Ground
4	OUT	Output
5	GND	Ground

Test Circuit



Environmental

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

● **APPROVAL**

DRAWN BY	AR, August 19, 2021
APPROVED BY	CP, August 19, 2021
REVISION	A, Initial Release

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