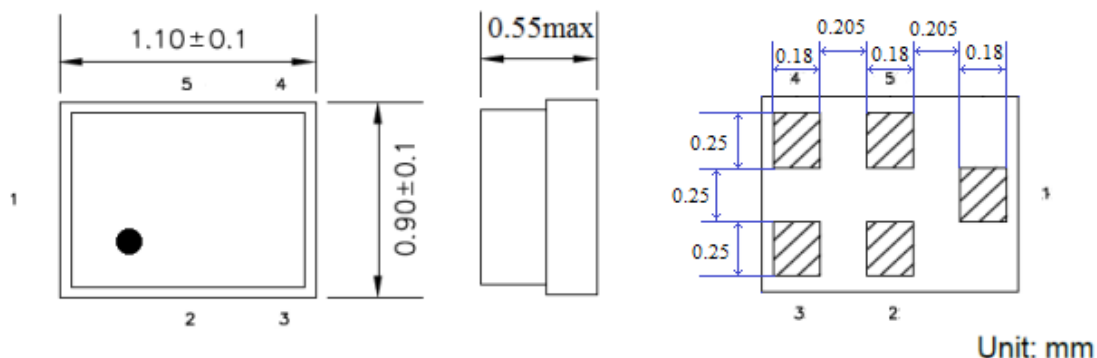


### Electrical Specifications

Terminating Source Impedance:  $Z_S = 50\Omega$   
 Terminating Load Impedance:  $Z_L = 50\Omega || 8.2 \text{ nH}$

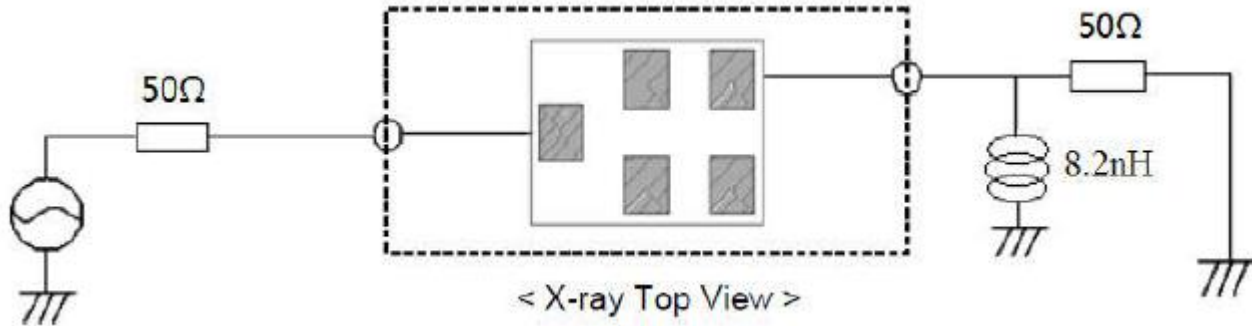
Parameters	Value	Unit
Center Frequency (Fo)	1582.400	MHz
Insertion Loss, typ/max	@ 1559.05 ~ 1563.15 MHz	1.0 / 1.5
	@ 1572.42 ~ 1578.42 MHz	0.8 / 1.3
	@ 1597.55 ~ 1605.89 MHz	1.0 / 1.5
VSWR, typ/max	@ 1559.05 ~ 1563.15 MHz	1.7 / 2.1
	@ 1572.42 ~ 1578.42 MHz	1.7 / 2.0
	@ 1597.55 ~ 1605.89 MHz	1.7 / 2.1
Pass Band Ripple, typ/max	@ 1559.05 ~ 1563.15 MHz	0.2 / 1.0
	@ 1572.42 ~ 1578.42 MHz	0.2 / 0.8
	@ 1597.55 ~ 1605.89 MHz	0.2 / 1.0
Group Delay Ripple, typ/max	@ 1597.55 ~ 1605.89 MHz	7 / 20
Attenuation, min/typ	@ 500.00 ~ 1500.00 MHz	-20 / -27
	@ 1710.00 ~ 5900.00 MHz	-20 / -25
DC Voltage	5	V
Input Power, max (CW 2000h, 50°C)	15	dBm
ESD Voltage ESD (MM)	50	V
Sensitive Discharge Device ESD(HBM)	175	V
Operating Temperature Range	-40 ~ +105	°C
Storage Temperature Range	-40 ~ +105	°C
MSL	2	-

### Dimension

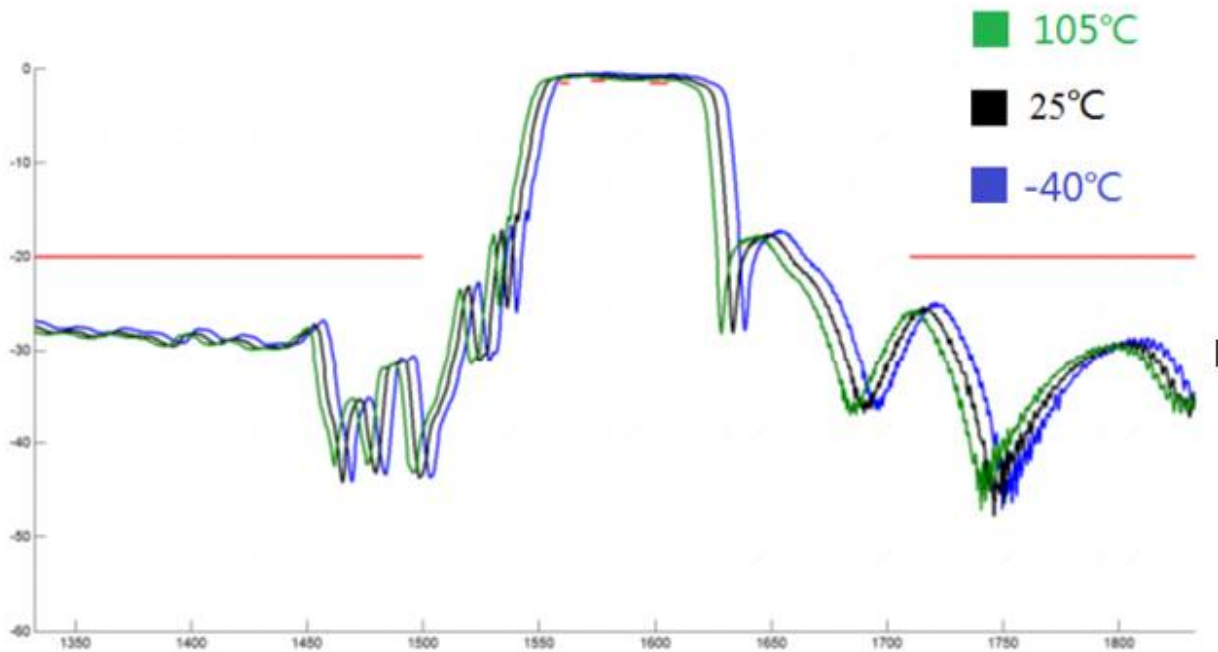


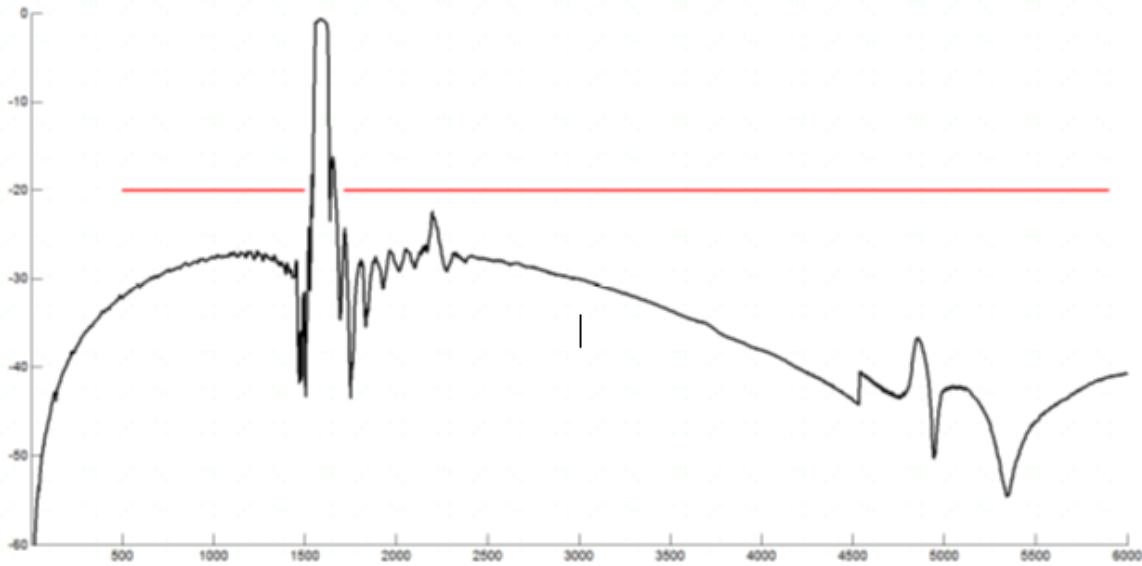
PIN #	PIN NAME	DESCRIPTION
1	IN	Input
4	OUT	Output
2,3,5	GND	Ground

#### Test Circuit



#### Frequency Characteristics

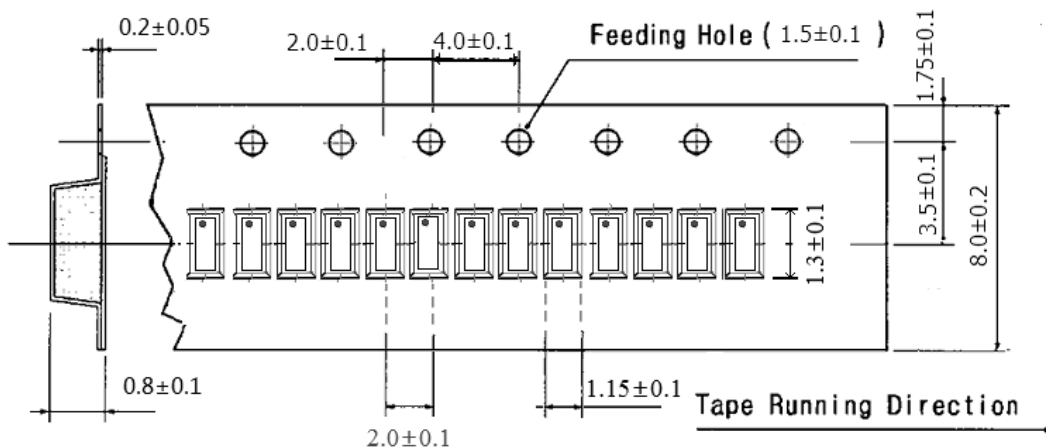




### Environmental

PARAMETER	VALUE
REACH – SVHC	Compliant
RoHS	Compliant
PACKAGING	TAPE & REEL

### Tape Dimension



#### APPROVAL

DRAWN BY	AR, December 15, 2020
APPROVED BY	CP, December 15, 2020
REVISION	A, Initial Release



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