

Preliminary



MAXIMUM RATING:

- Input Power Level: 10 dBm
- DC Voltage : 3 V
- Operating Temperature: -40°C to +105°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitivity Level: Level 2a(MSL 2a)



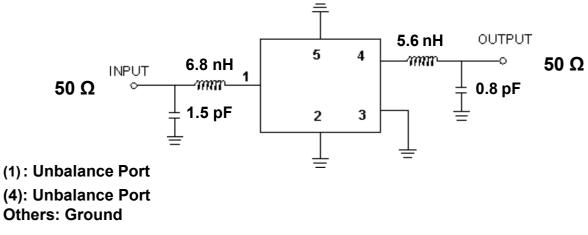
1278.75 MHz



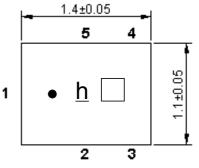
ELECTRICAL CHARACTERISTICS:

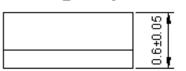
Item	Unit	Min.	Тур.	Max.					
Center frequency	Fc	MHz	-	1278.75	-				
Insertion loss (1273.75~1283.75 MHz)	IL	dB	-	2.0	2.5				
Amplitude ripple (1273.75~1283.75 MHz)		dB	-	0.5	1				
Group delay ripple (1273.75~1283.75 MHz)		ns	-	13	50				
Return loss (1273.75~1283.75 MHz)		dB	7	11	-				
Attenuation (Reference level from 0 dB)									
10 ~ 1200 MHz		dB	20	34	-				
1500~2100 MHz		dB	25	30	-				
2100 ~ 3000 MHz		dB	30	35	-				
Temperature coefficient of frequency	ppm/k	-	-36	-					

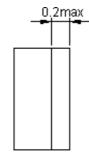
MEASUREMENT CIRCUIT:



OUTLINE DRAWING:

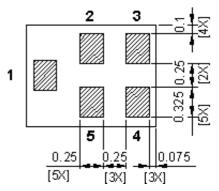






All tolerances are +/-0.05 mm unless otherwise specified Coplanarity : 0.1 mm max. 1 to 5 : Pin No.

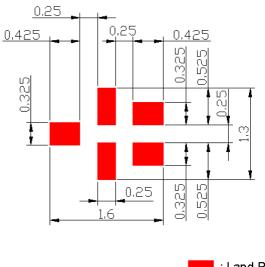
Unit : mm



Pin No.	Symbol	Function			
1	IN	Input			
2	GND	Ground			
3	GND	Ground			
4	OUT	Output			
5	GND	Ground			

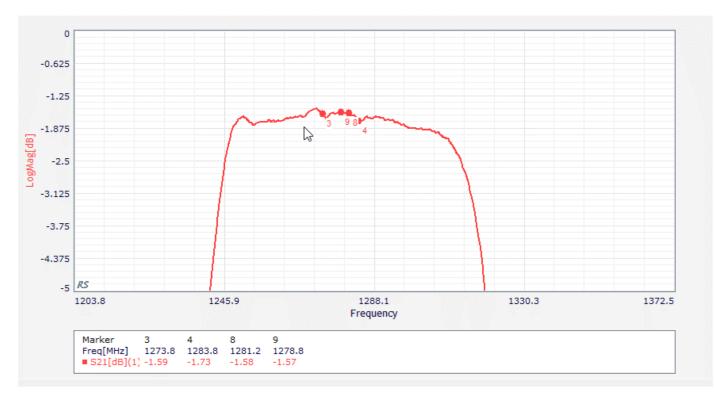
Date Code: Follow below table (4 year cycle)												
Year	Jan	Feb	Mar	Apr	Мау	June	Jul	Aug	Sept	Oct	Nov	Dec
2021/2025	а	b	с	d	е	f	g	h	j	k	I	m
2022/2026	n	р	q	r	s	t	u	v	w	x	У	z
2023/2027	А	в	С	D	E	F	G	н	J	К	L	М
2024/2028	Ν	Р	Q	R	S	т	U	V	W	Х	Y	Z

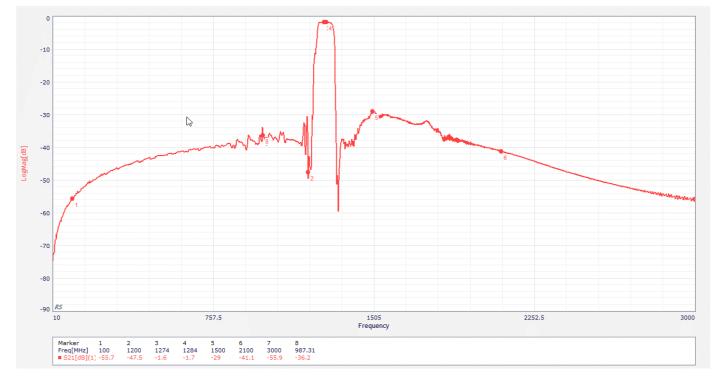
PCB Footprint:



: Land Pattern Unit : mm

Frequency Characteristics:





Reflection Functions:



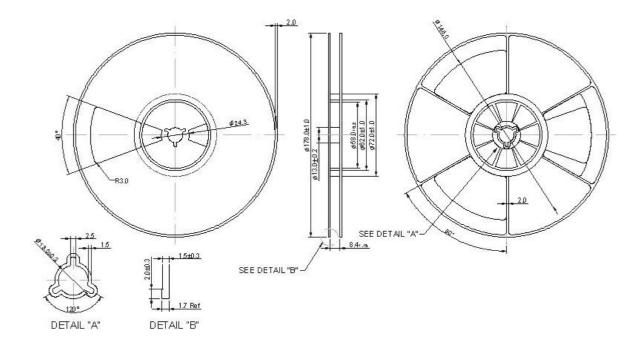


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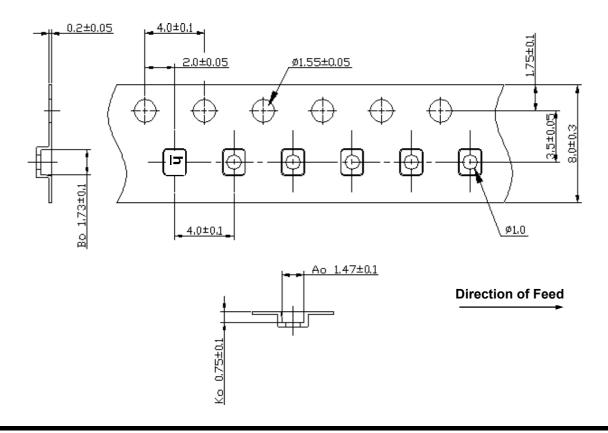
PACKING:

1. REEL DIMENSION

Reel Count: 7" = 3000

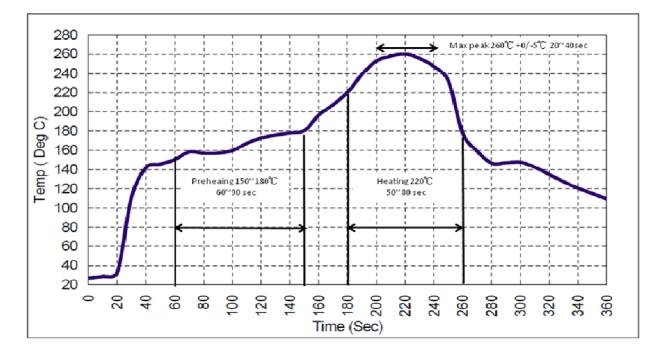


2. 2. TAPE DIMENSION



Recommended Reflow Profile:

- 1. Preheating shall be fixed at $150 \sim 180^{\circ}$ C for $60 \sim 90$ seconds.
- 2. Ascending time to preheating temperature 150° C shall be 30 seconds min.
- 3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C+0/-5°C peak (20~40sec).
- 4. Time: 2 times.



CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

- 1. The design, manufacturing process, and specifications of this device are subject to change.
- 2. US or International patents may apply.
- 3. This component was always RoHS compliant from the first date of manufacture.