

SM1411-5

MAXIMUM RATING:

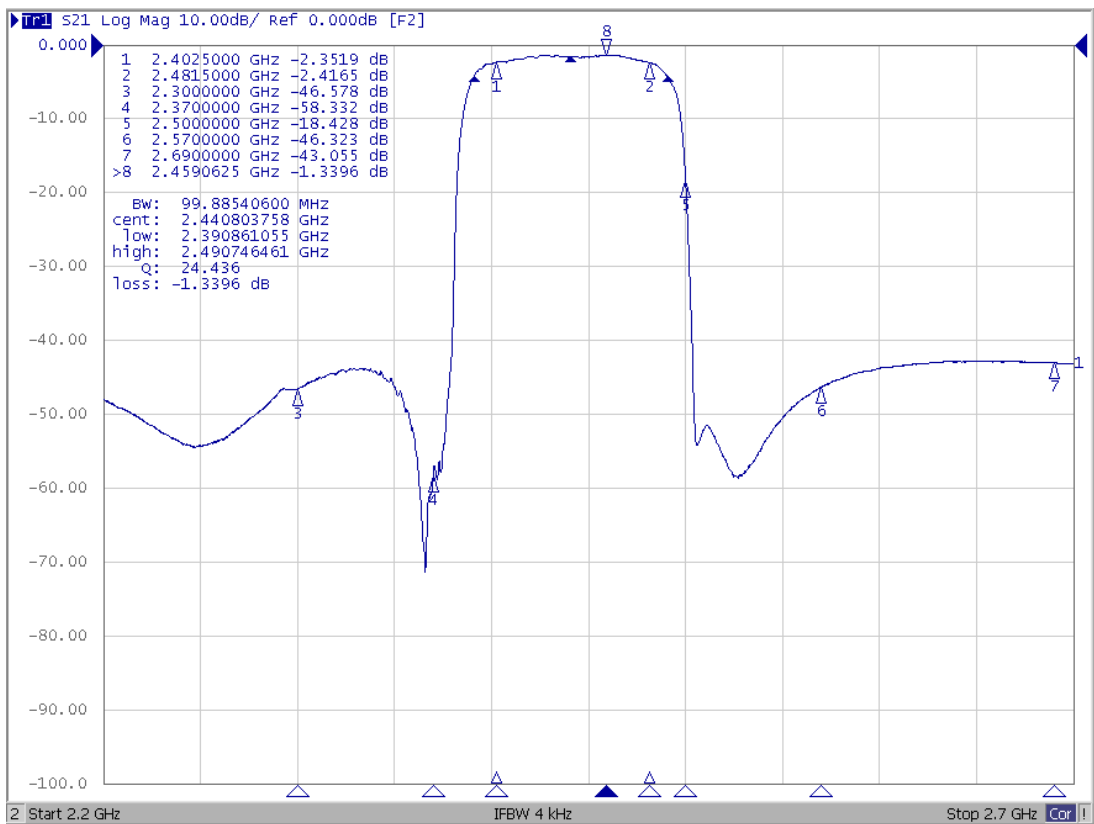
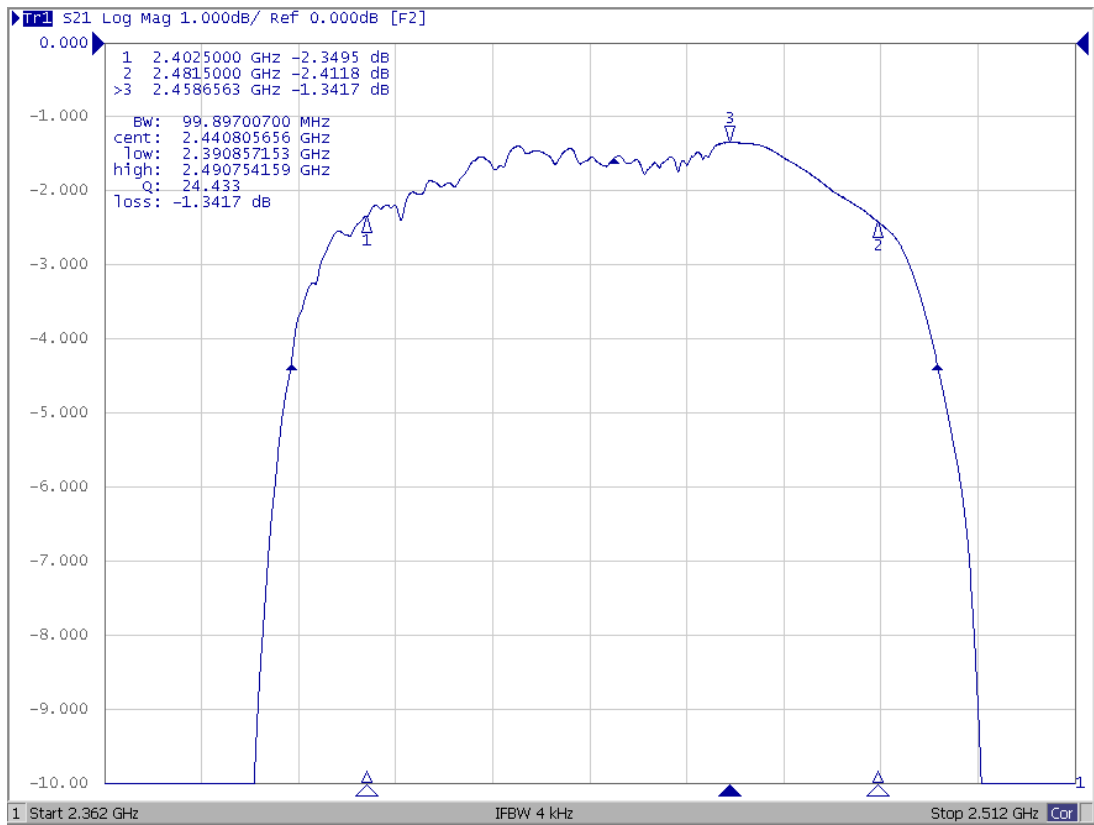
- Maximum Input Power: TBD
- DC Voltage: 5 V
- Operating Temperature: -40 °C to +85 °C
- Storage Temperature: -40 °C to +125 °C
- Moisture Sensitivity Level: Level 3 (MSL 3)

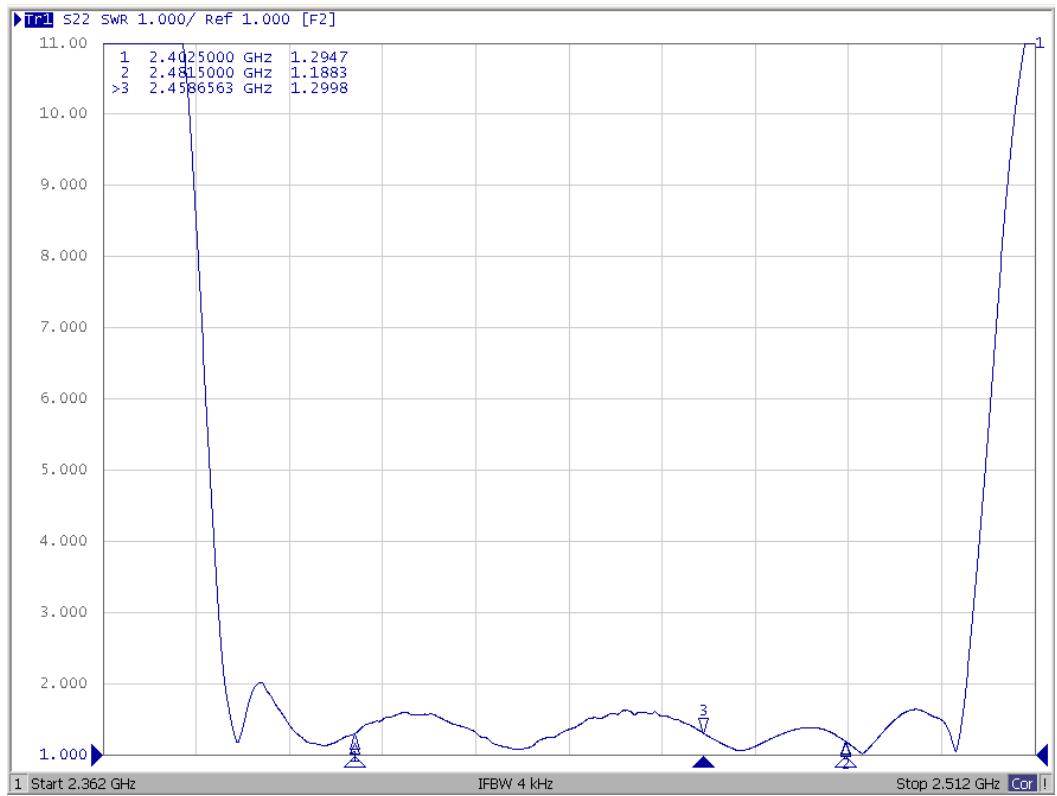
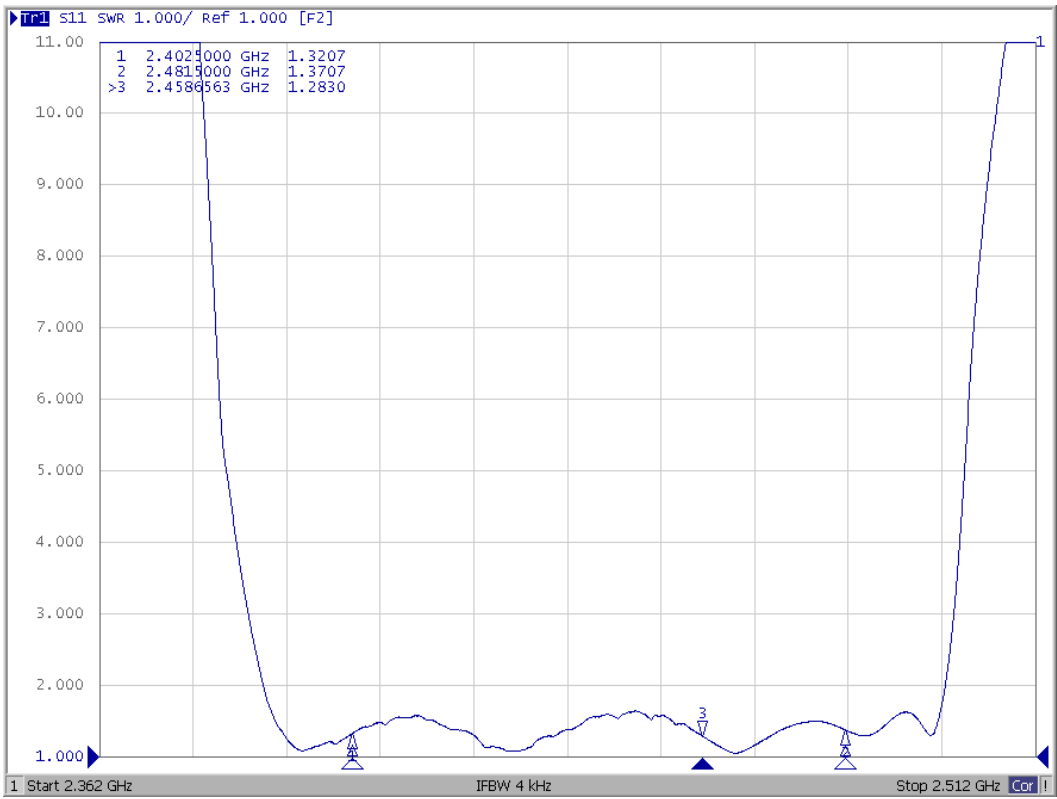
ELECTRICAL CHARACTERISTICS:

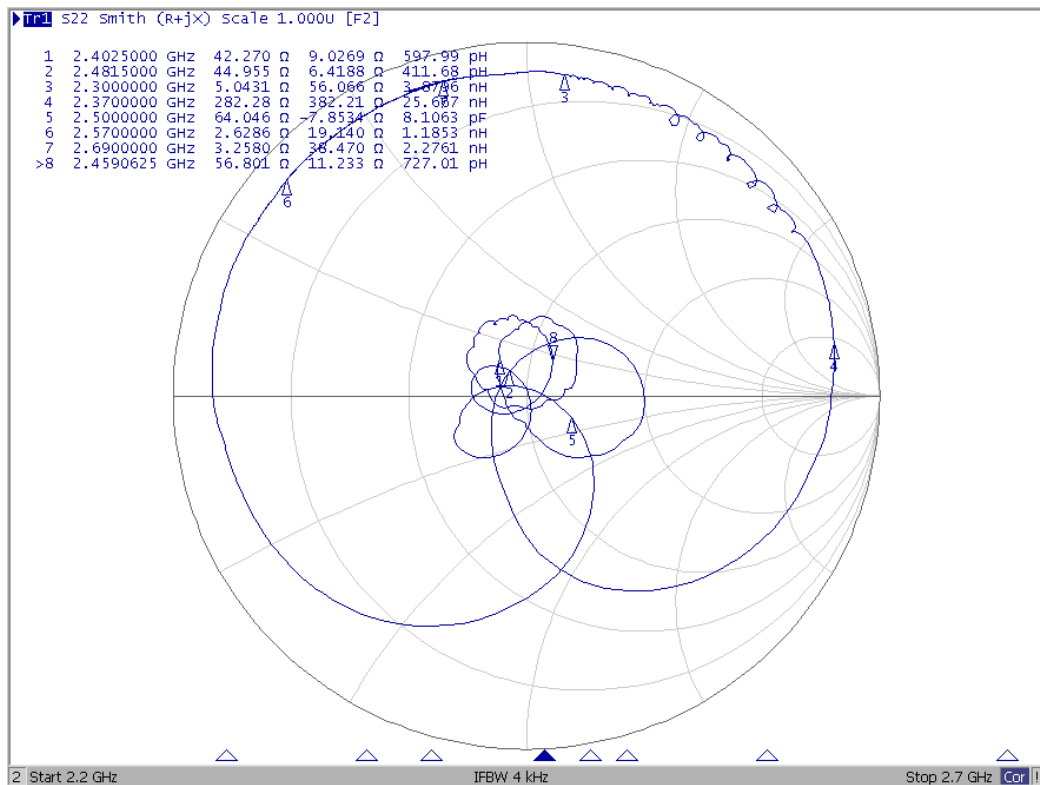
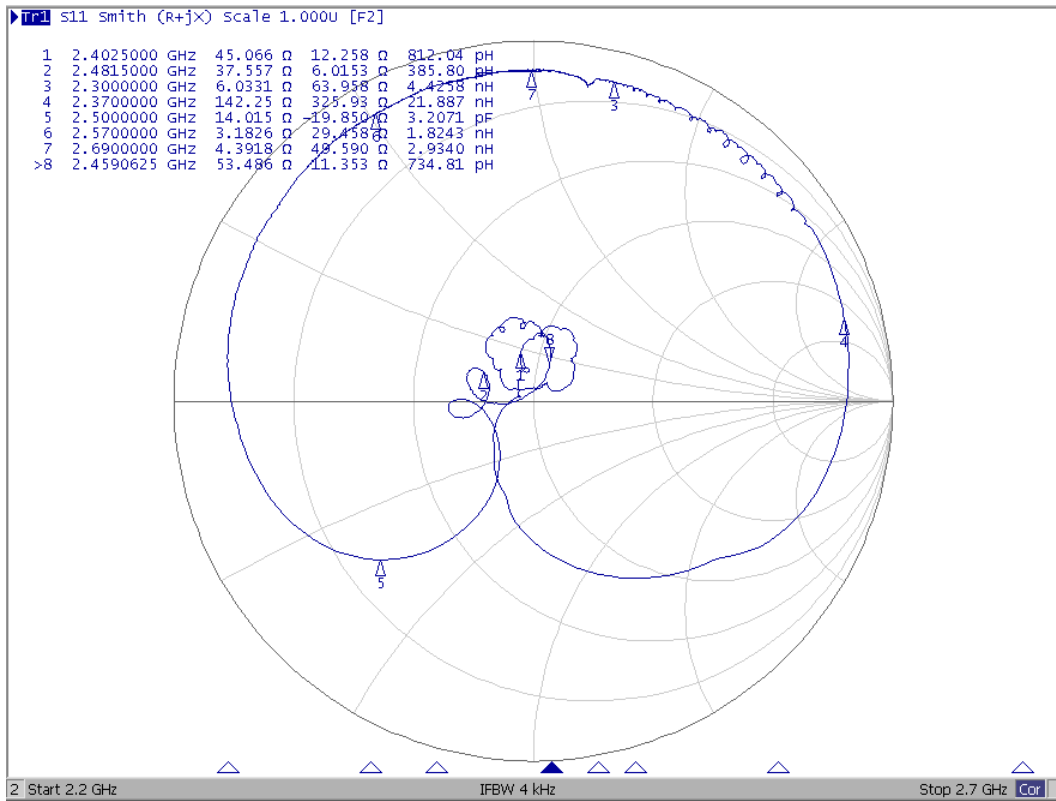
Parameters Description		Unit	Min.	Typ.	Max.	Remark
Center Frequency		MHz	-	2442	-	-
Insertion Loss	2402.5 ~ 2421.5 MHz	dB	-	2.4	2.7	
	2407.5 ~ 2426.5 MHz	dB	-	2.3	2.6	
	2412.5 ~ 2471.5 MHz	dB	-	2.1	2.4	
	2457.5 ~ 2476.5 MHz	dB	-	2.4	2.7	
	2462.5 ~ 2481.5 MHz	dB	-	2.9	3.2	
Amplitude Ripple	2402.5 ~ 2421.5 MHz	dB	-	0.9	1.3	
	2407.5 ~ 2426.5 MHz	dB	-	0.9	1.2	
	2412.5 ~ 2471.5 MHz	dB	-	0.9	1.2	
	2457.5 ~ 2476.5 MHz	dB	-	1.0	1.3	
	2462.5 ~ 2481.5 MHz	dB	-	1.3	1.6	
VSWR (Input)	2402.5 ~ 2481.5 MHz	-	-	1.8	2.0	
VSWR (Output)	2402.5 ~ 2481.5 MHz	-	-	1.6	2.0	
Attenuation (Reference level from 0 dB)						
800 ~ 2300 MHz		dB	26	29	-	-
2300 ~ 2365 MHz		dB	40	43	-	-
2365 ~ 2370 MHz		dB	50	53	-	
2500 ~ 2505 MHz		dB	5	8	-	
		dB	15	18		at 25°C
2505 ~ 2690 MHz		dB	17	20	-	
		dB	38	41		at 25°C
2570 ~ 2620 MHz		dB	38	41	-	
2690 ~ 7500 MHz		dB	17	20	-	-

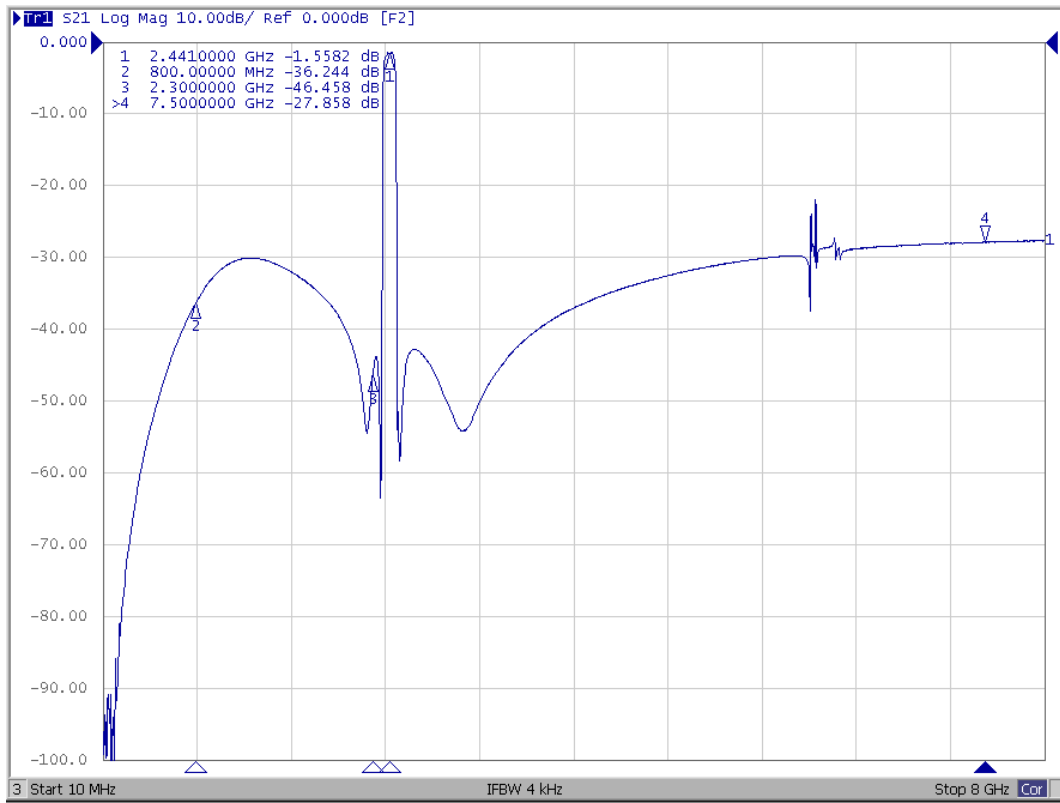
(*1) Specification of insertion loss includes loss that comes from the test board.

FREQUENCY CHARACTERISTICS:

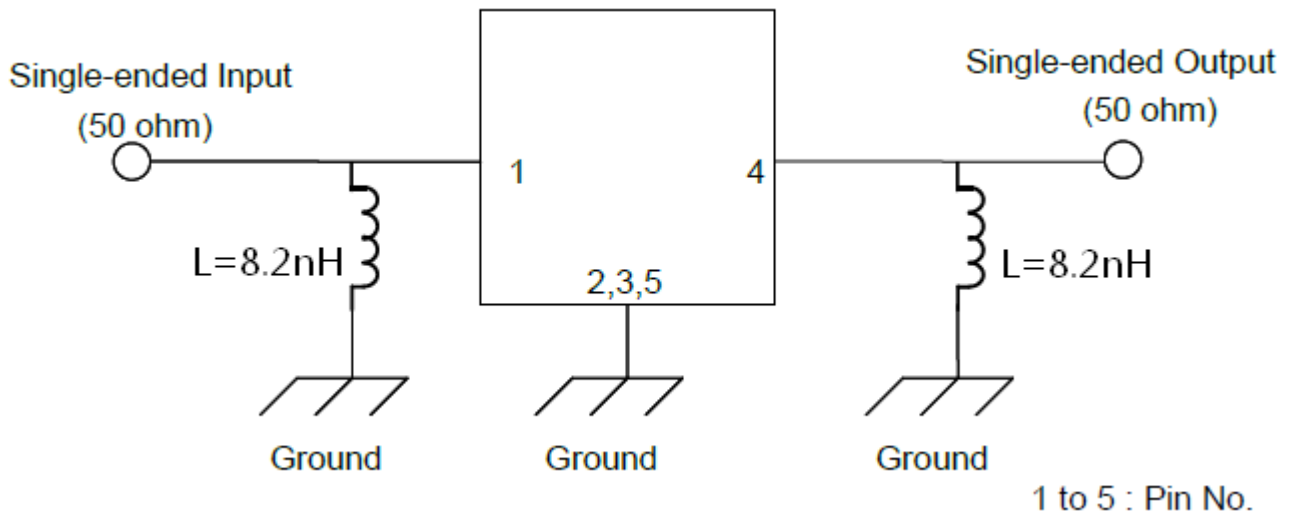




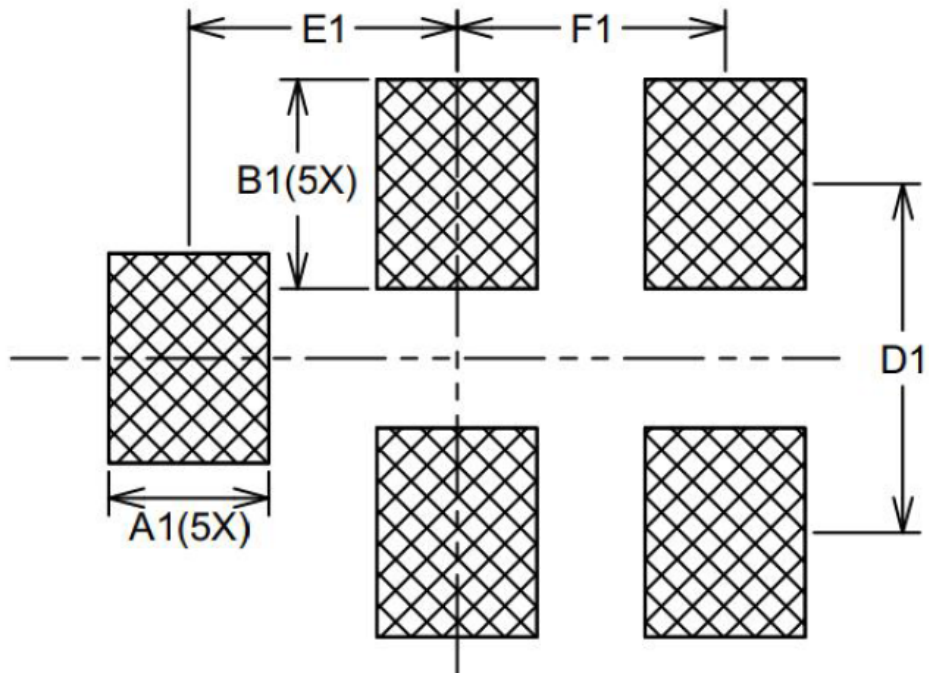




REAL CIRCUIT:



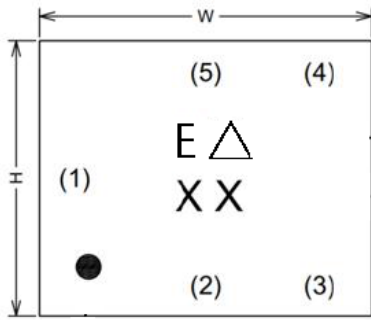
PCB FOOTPRINT:



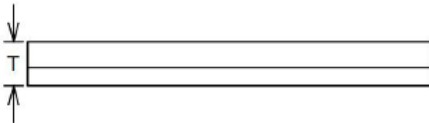
Symbol	DIMENSION REQUIREMENT	
A1	0.3	Land pattern THRU VIEW
B1	0.375	
D1	0.575	
E1	0.5	
F1	0.5	

OUTLINE DRAWING:

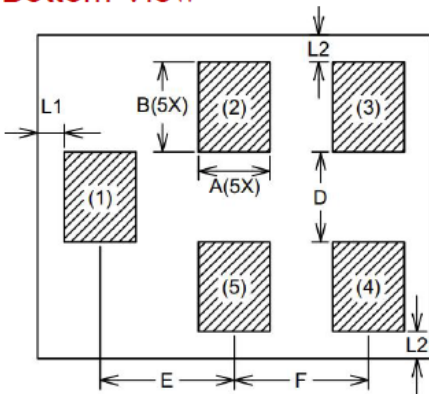
Top View



Side View



Bottom View



Symbol	DIMENSION REQUIREMENT	
W	1.4±0.05	Top View
H	1.1±0.05	
T	0.5 MAX	Side View
A	0.25	Bottom View
B	0.325	
D	0.25	
E	0.5	
F	0.5	
L1	0.075	
L2	0.1	

Notes:

- 1.Dimension: mm
- 2.Dimensions nominal unless otherwise noted
- 3.Pad(1) to (5) are same size

- 1 Input (to PA (unbalanced))
- 4 Output (to ANT (unbalanced))
- 2, 3, 5 Ground

Marking name : E

△ : Date Code

XX : Lot Code & Week Code

Date Code.

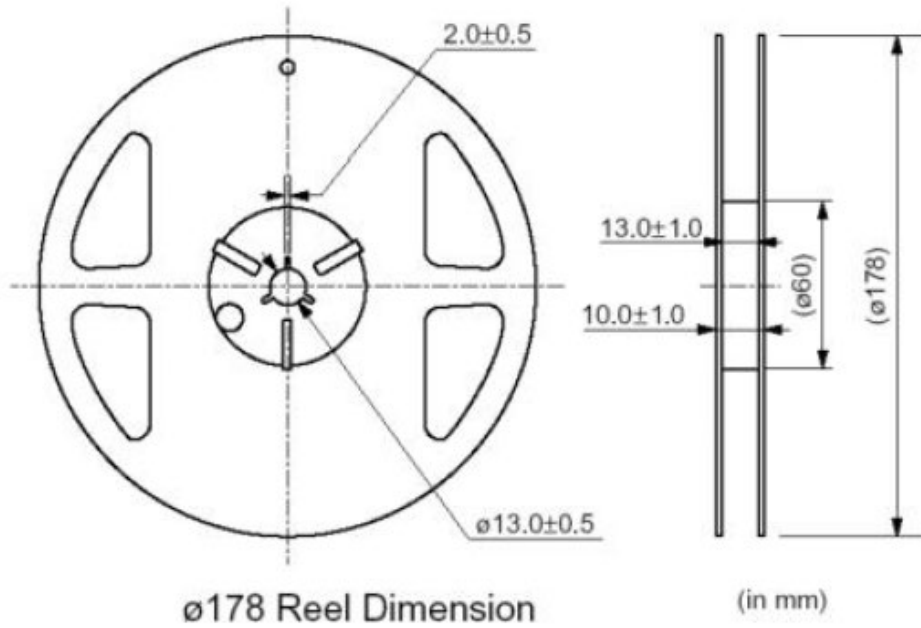
	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
2020/2024	A	B	C	D	E	F	G	H	J	K	L	M
2021/2025	N	P	Q	R	S	T	U	V	W	X	Y	Z
2022/2026	a	b	c	d	e	f	g	h	i	j	k	m
2023/2027	n	p	q	r	s	t	u	v	w	x	y	z

Week Code. Table.

001	002	003	004	005	006	007	008	009	010	011	012
A	B	C	D	E	F	G	H	J	K	L	M
013	014	015	016	017	018	019	020	021	022	023	024
N	P	Q	R	S	T	U	V	W	X	Y	Z
025	026	027	028	029	030	031	032	033	034	035	036
a	b	c	d	e	f	g	h	i	j	k	m
037	038	039	040	041	042	043	044	045	046	047	048
n	p	q	r	s	t	u	v	w	x	y	z

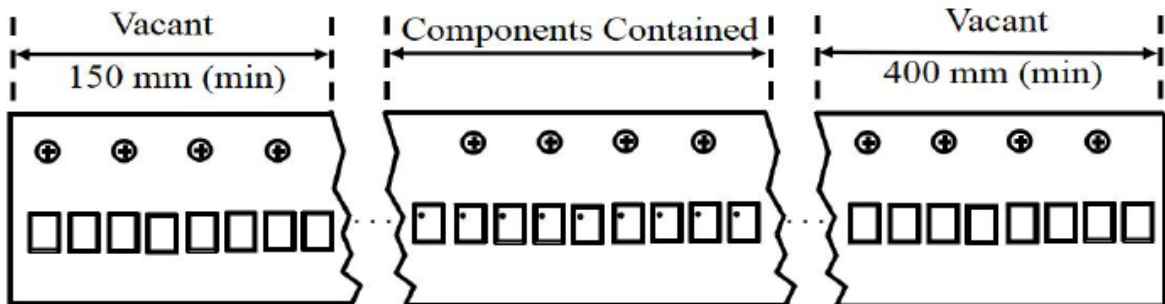
PACKING:
1. REEL DIMENSION

3000 pcs/reel ϕ 178mm

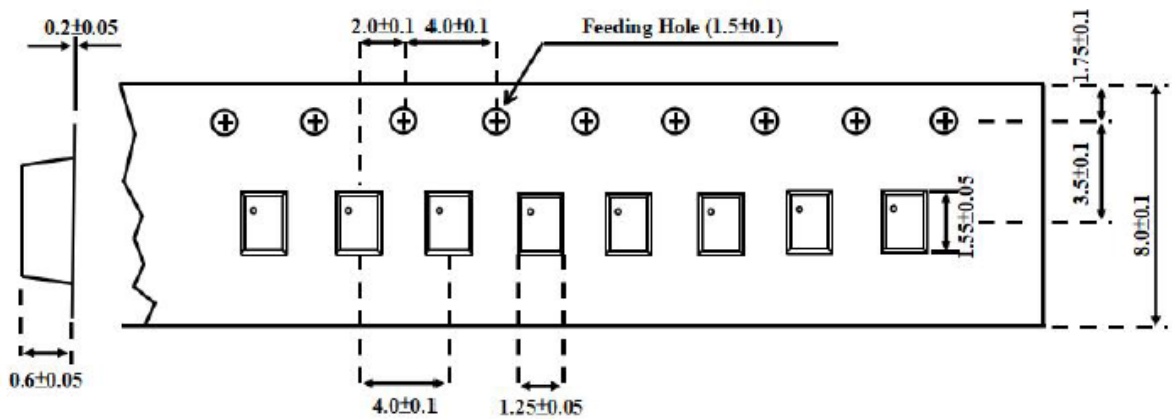


2. TAPE DIMENSION

(1).Leader part and vacant position specifications

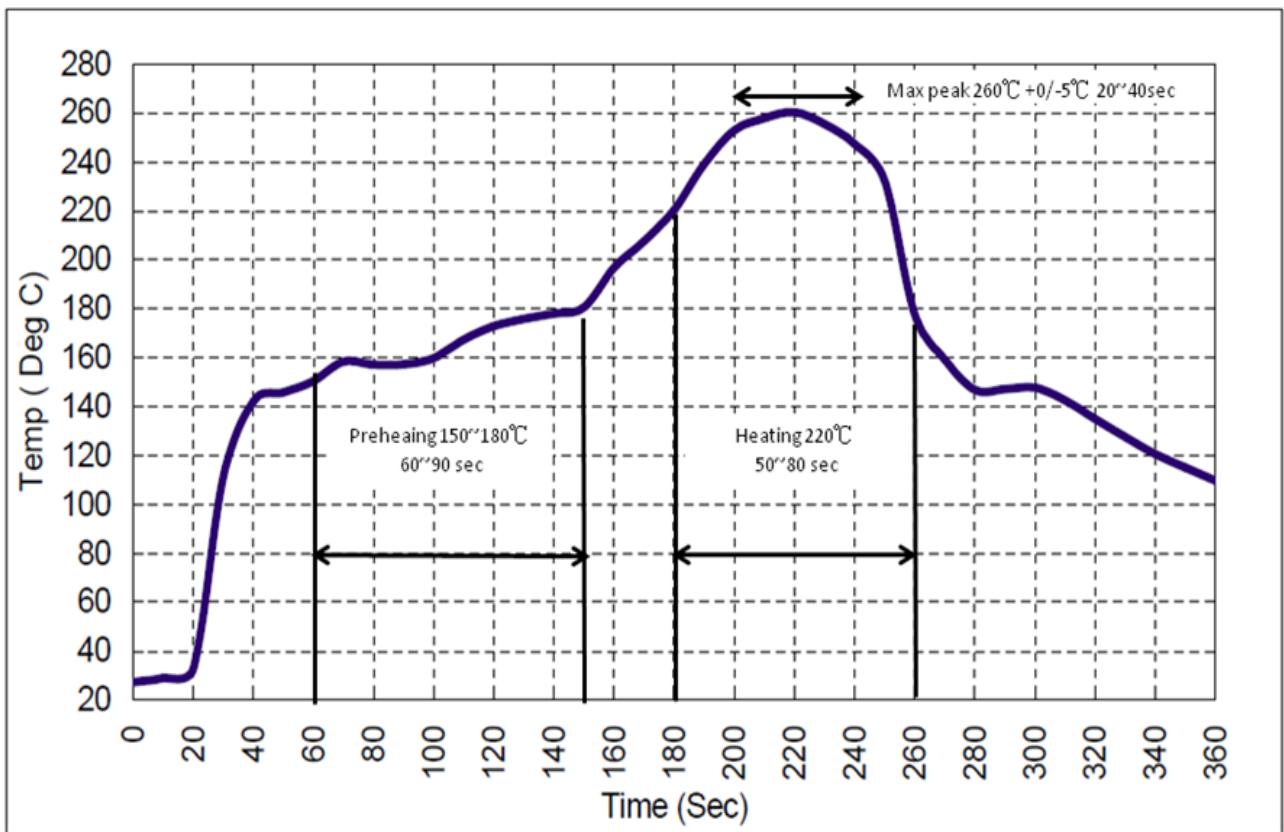


(2).Tape Specifications



RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150~180°C for 60~90 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.

NOTES:

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