

SAW Filter 802 MHz

MODEL NO.: TA0450A

REV. NO.:2.0

A. MAXIMUM RATING:

1. Input Power Level: 15 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -10°C to 60°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1(MSL1)

RoHS Compliant
Lead free
Lead-free soldering

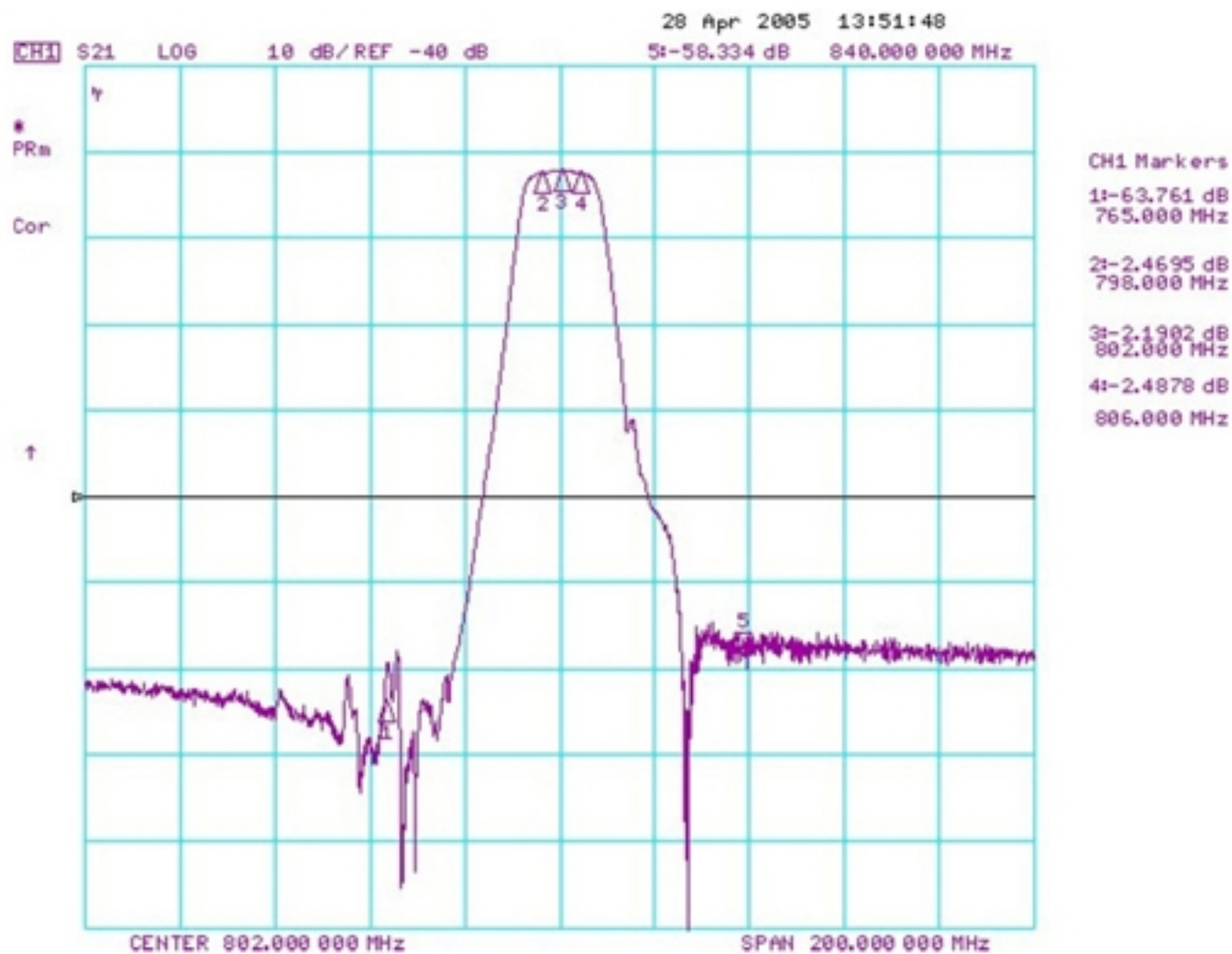
Electrostatic Sensitive Device

B. CHARACTERISTICS:

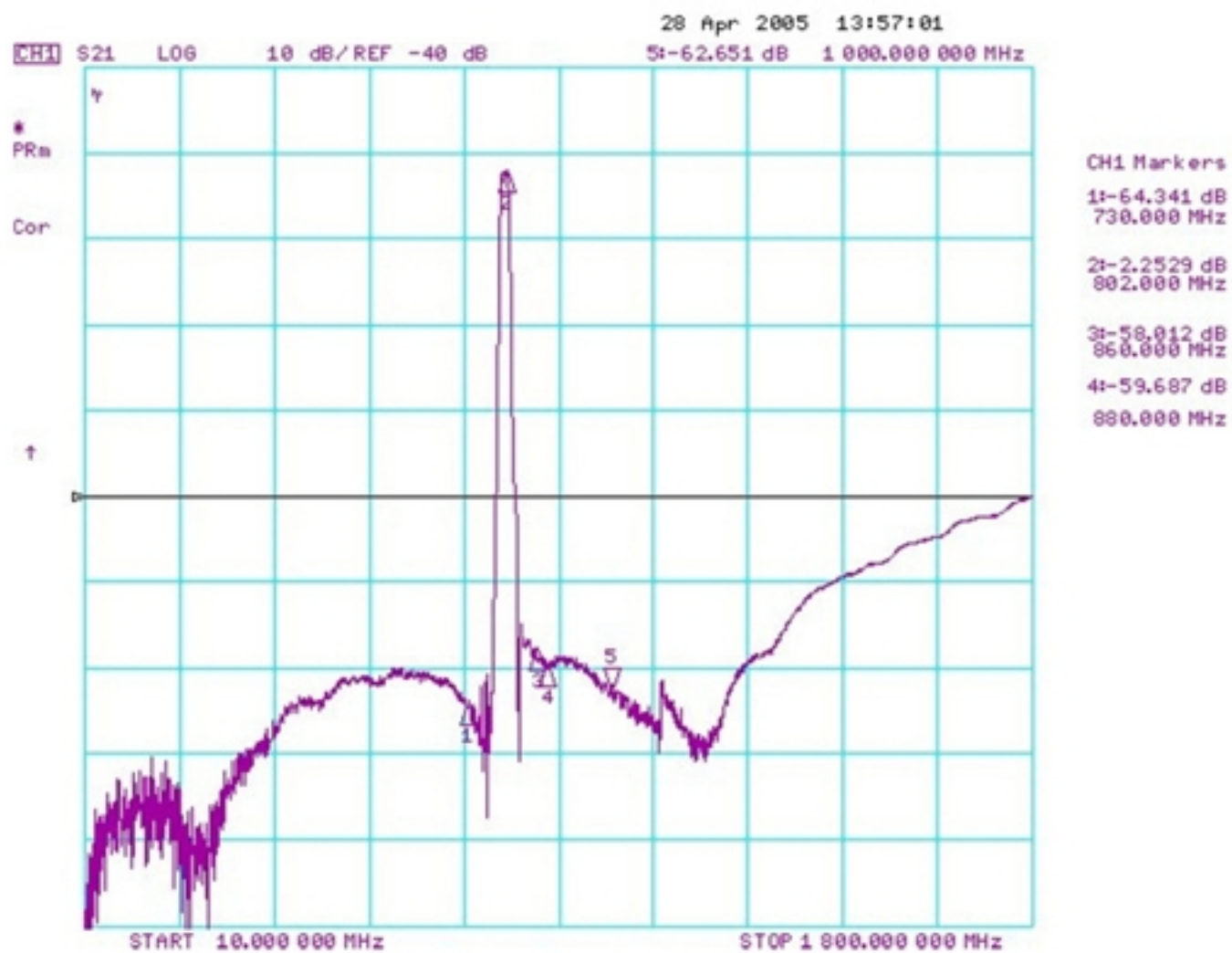
Item				Min.	Typ.	Max.
Center frequency	Fc	MHz		-	802	-
Insertion loss	798 ~ 806 MHz	IL	dB	-	2.5	4.2
Amplitude ripple	798 ~ 806 MHz		dB	-	0.3	2.0
VSWR	798 ~ 806 MHz			-	1.4	2.2
Attenuation						
10.0 ~ 730.0		MHz	dB	40	59	-
730.0 ~ 765.0		MHz	dB	36	57	-
840.0 ~ 860.0		MHz	dB	35	55	-
860.0 ~ 880.0		MHz	dB	36	55	-
880.0 ~ 1000.0		MHz	dB	40	55	-
Source impedance		Zs	Ω	-	50	-
Load impedance		ZL	Ω	-	50	-

Note1. No matching network required for operation at 50Ω

C. Transfer Function:

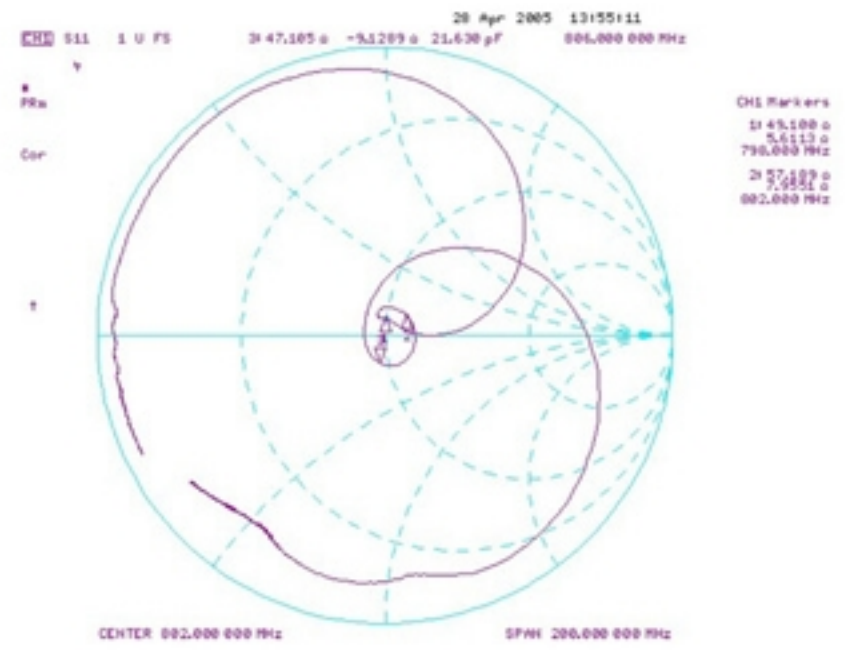
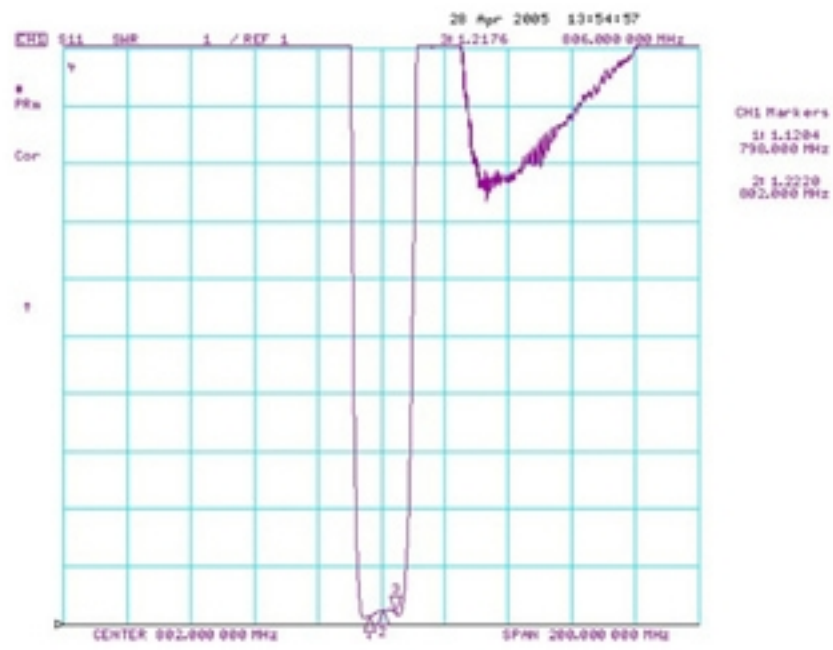


Wideband

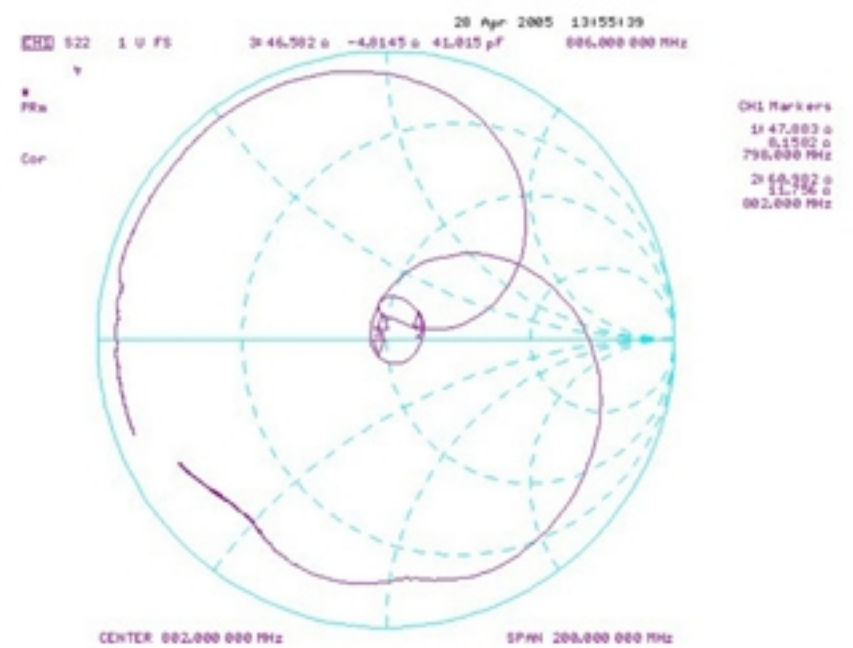
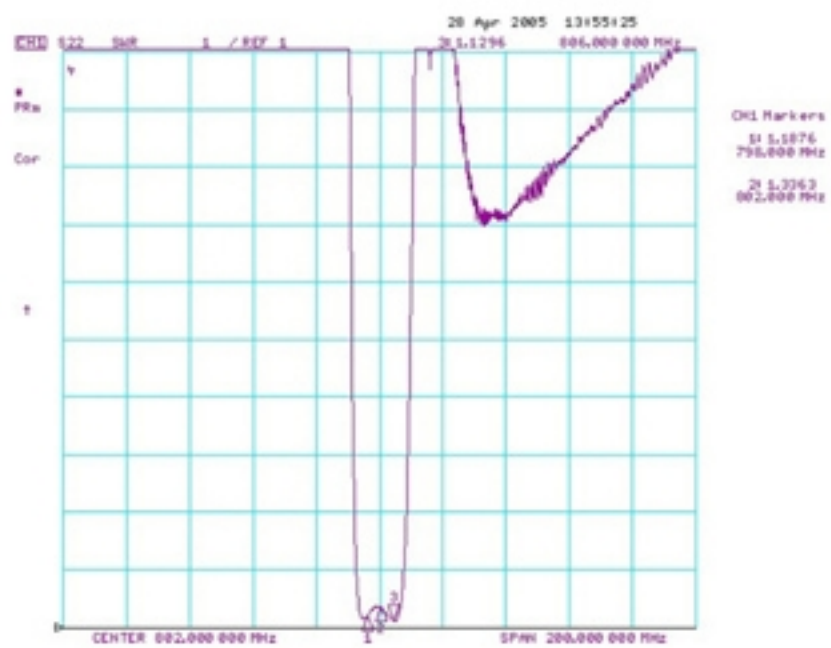


D. Reflection Functions:

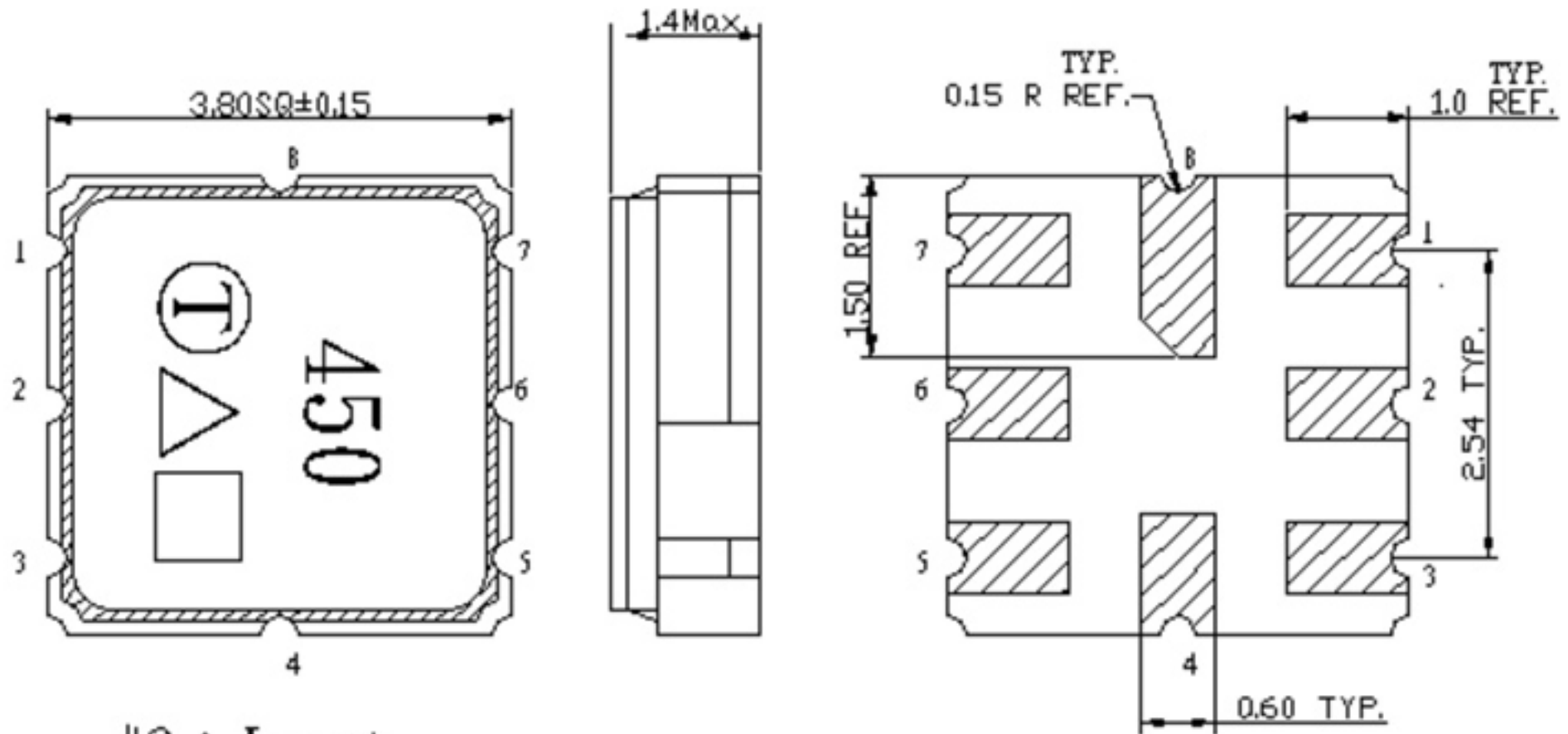
S11



S22



E.OUTLINE DRAWING:



- #2 : Input
- #6 : Output
- #1, 3, 4, 5, 7, 8 : Ground
- △ : Year code
- : Date code
- Unit : mm

Product / Year Code

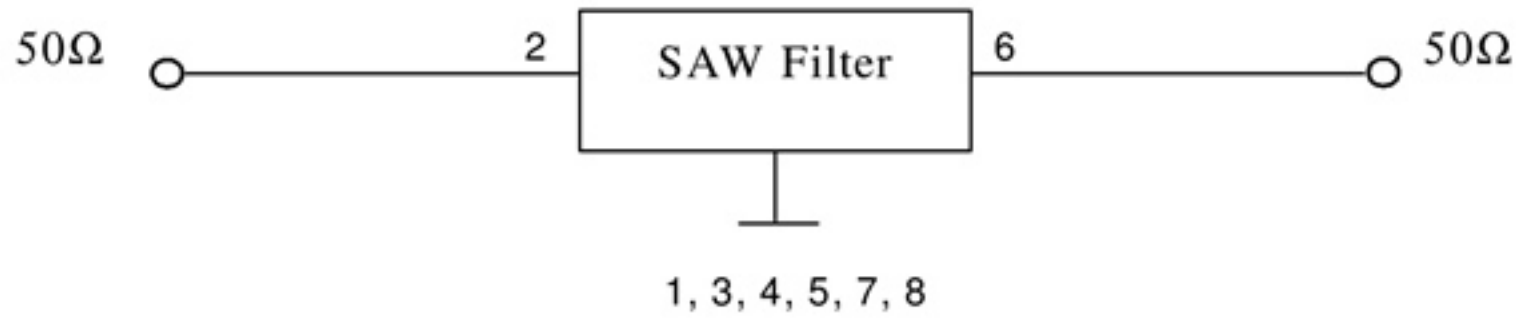
Year	2019 2021	2020 2022
Product Code	A	a

Week Code Table

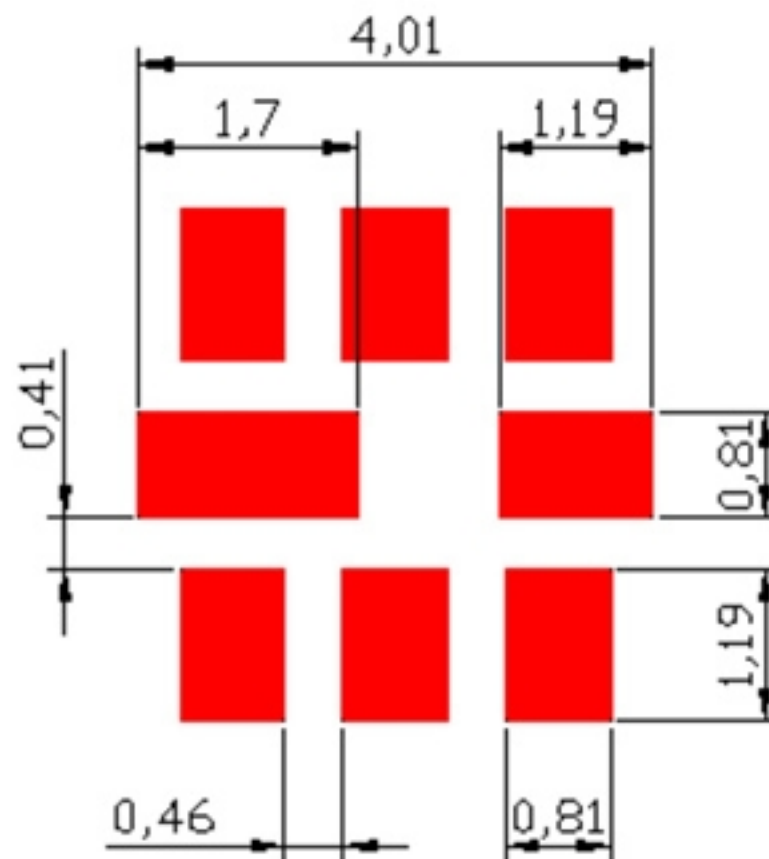
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

F. MEASUREMENT CIRCUIT:

HP Network analyzer

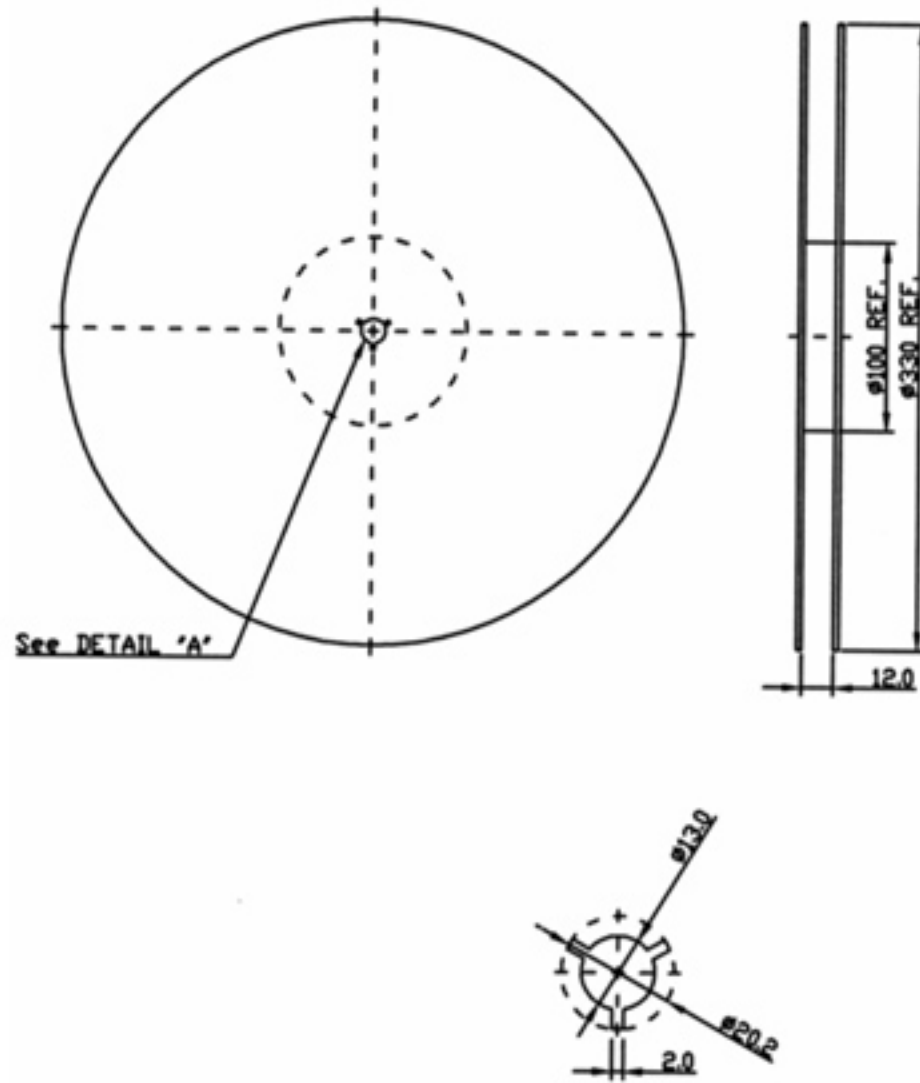


G. PCB FOOTPRINT:

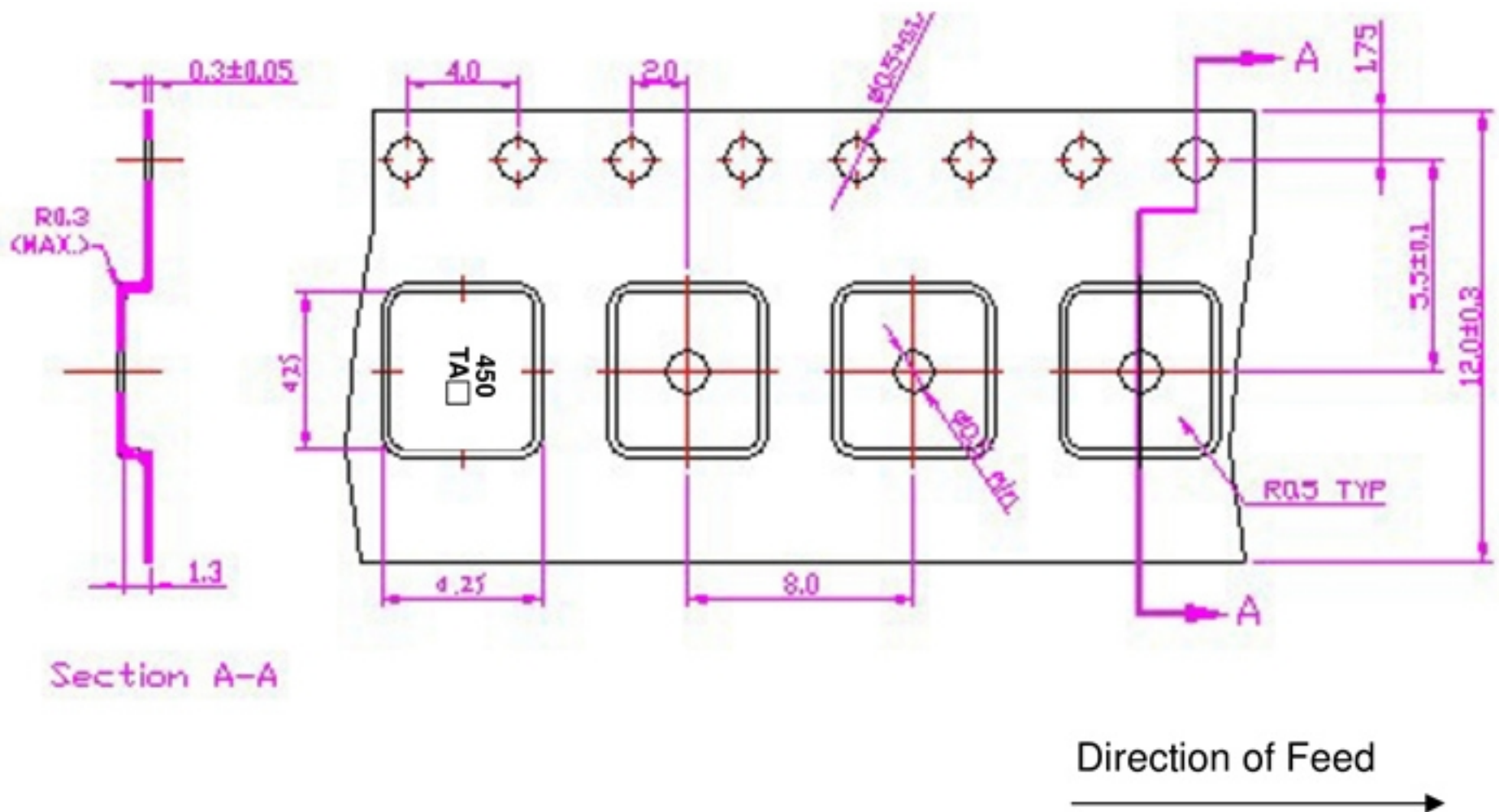


H. PACKING:

1. REEL DIMENSION (Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



I. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at $150\sim 180^{\circ}\text{C}$ 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 $50\sim 80$ seconds and at $260^{\circ}\text{C} +0/-5^{\circ}\text{C}$ peak ($20\sim 40\text{sec}$).
4. Time: 2 times.

