

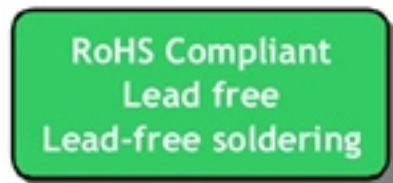
# SAW Rx Filter 881.5MHz LTE Band 5 SMD 1109 (25MHz BW)

MODEL NO.: TA1811D

REV. No.: 3.0

## A. MAXIMUM RATING:

1. Maximum Input Power: 10 dBm
2. DC voltage: 0 V
3. Operating Temperature: -30 °C to +85 °C
4. Storage Temperature: -40 °C to +85 °C
5. Moisture Sensitivity Level: Level 3
6. ESD 100V(MM) 200V(HBM)



**Electrostatic Sensitive Device (ESD)**

## B. ELECTRICAL CHARACTERISTICS:

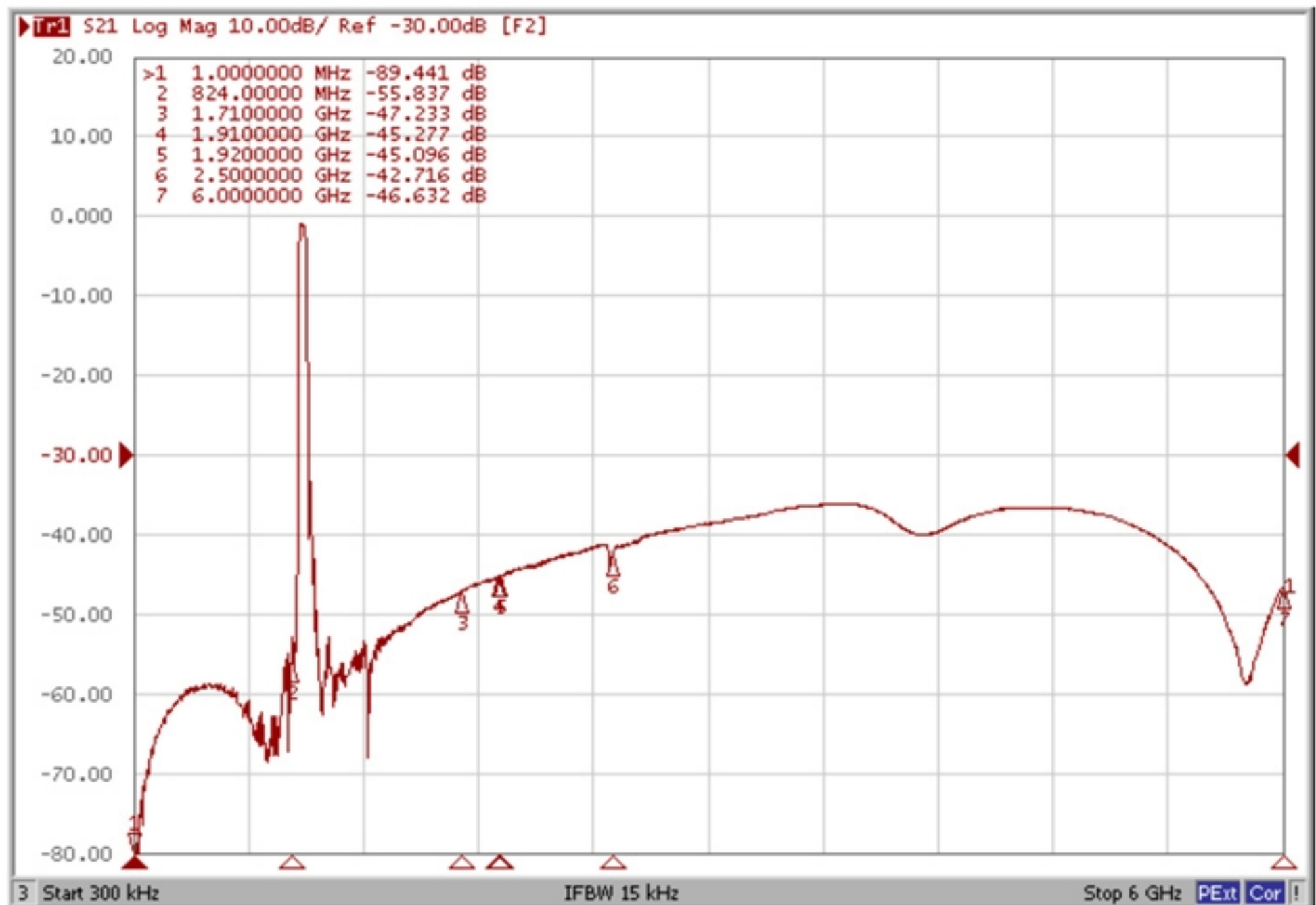
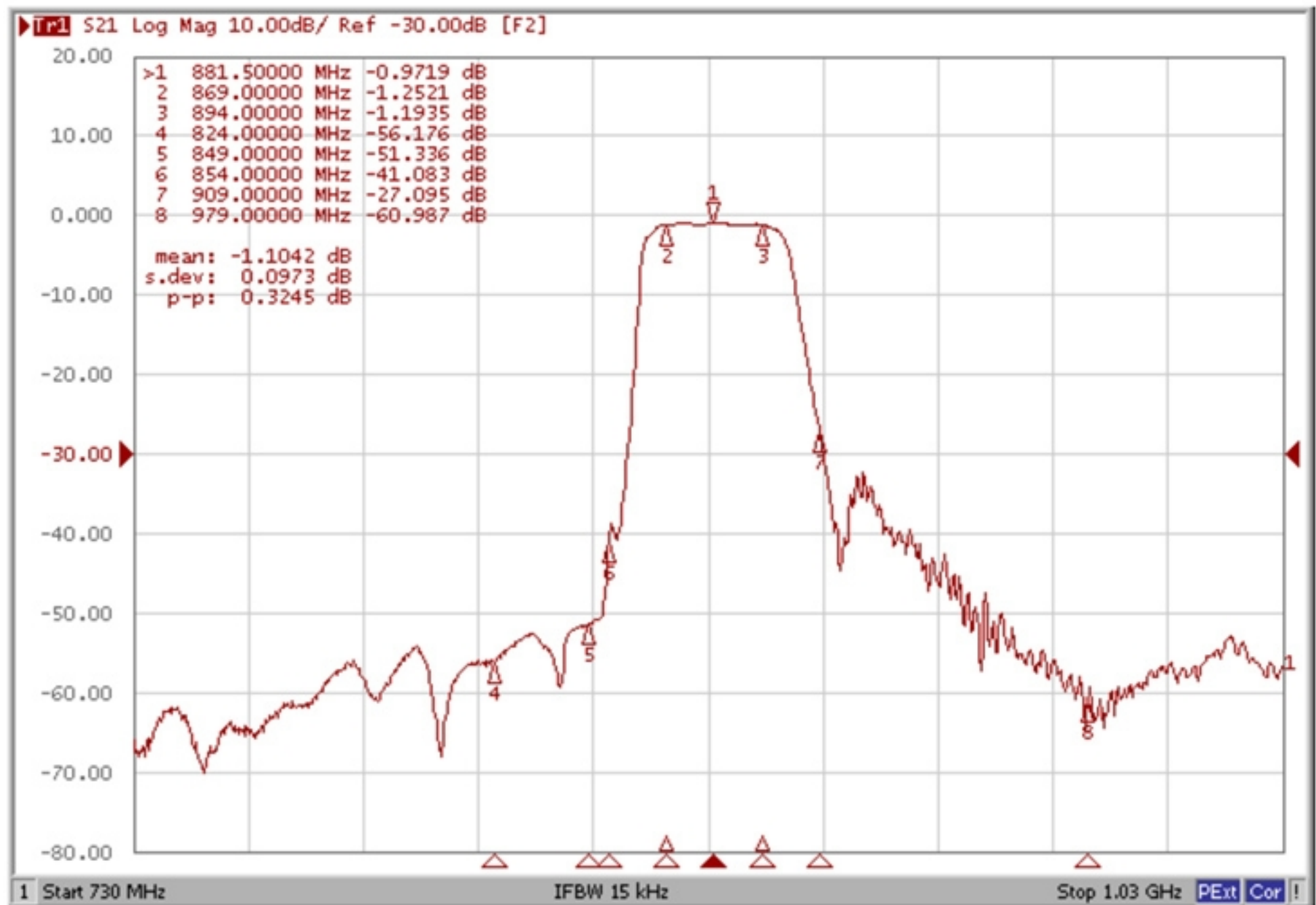
Source Impedance (single ended): 50Ω

Load Impedance (single ended): 50Ω

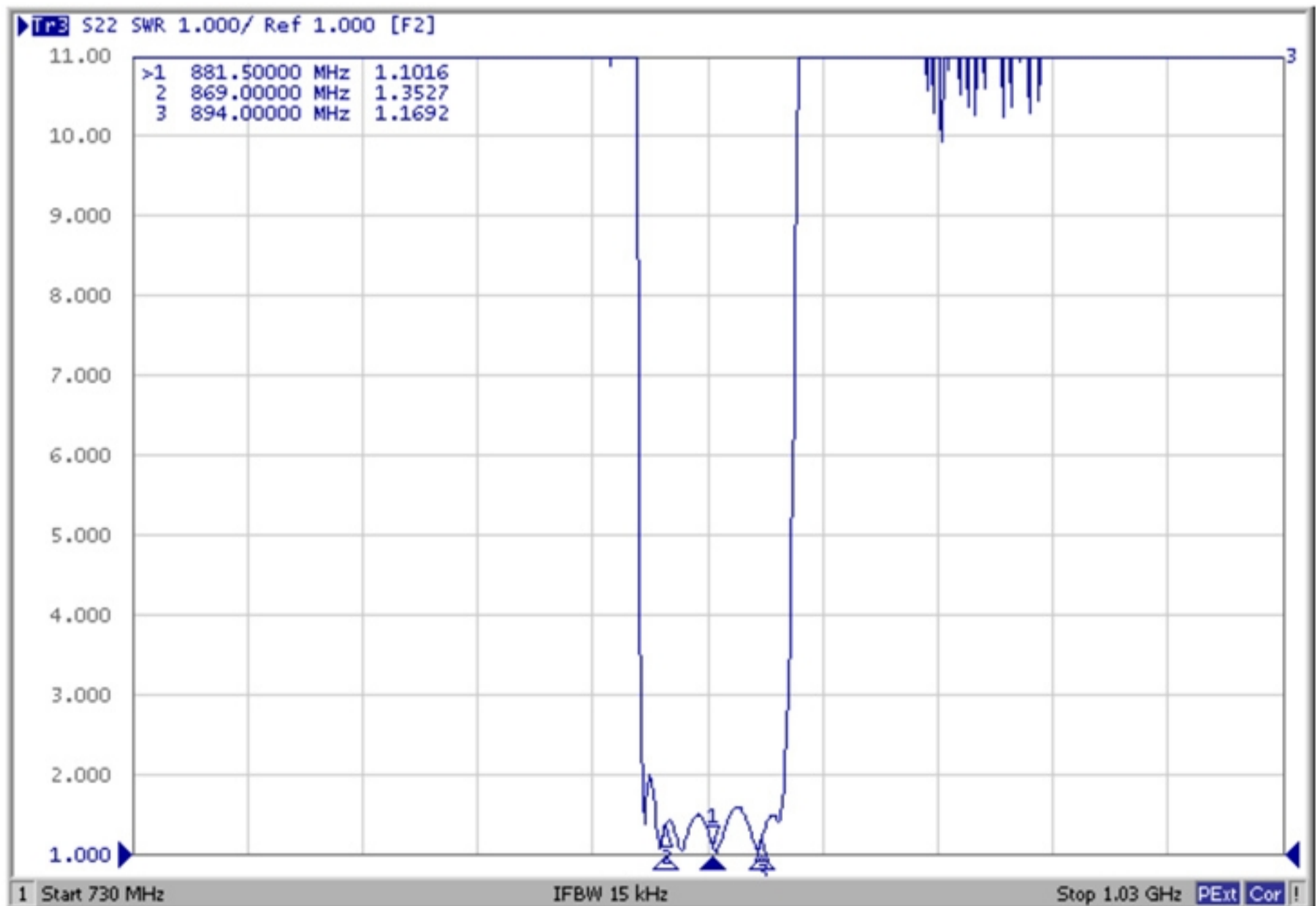
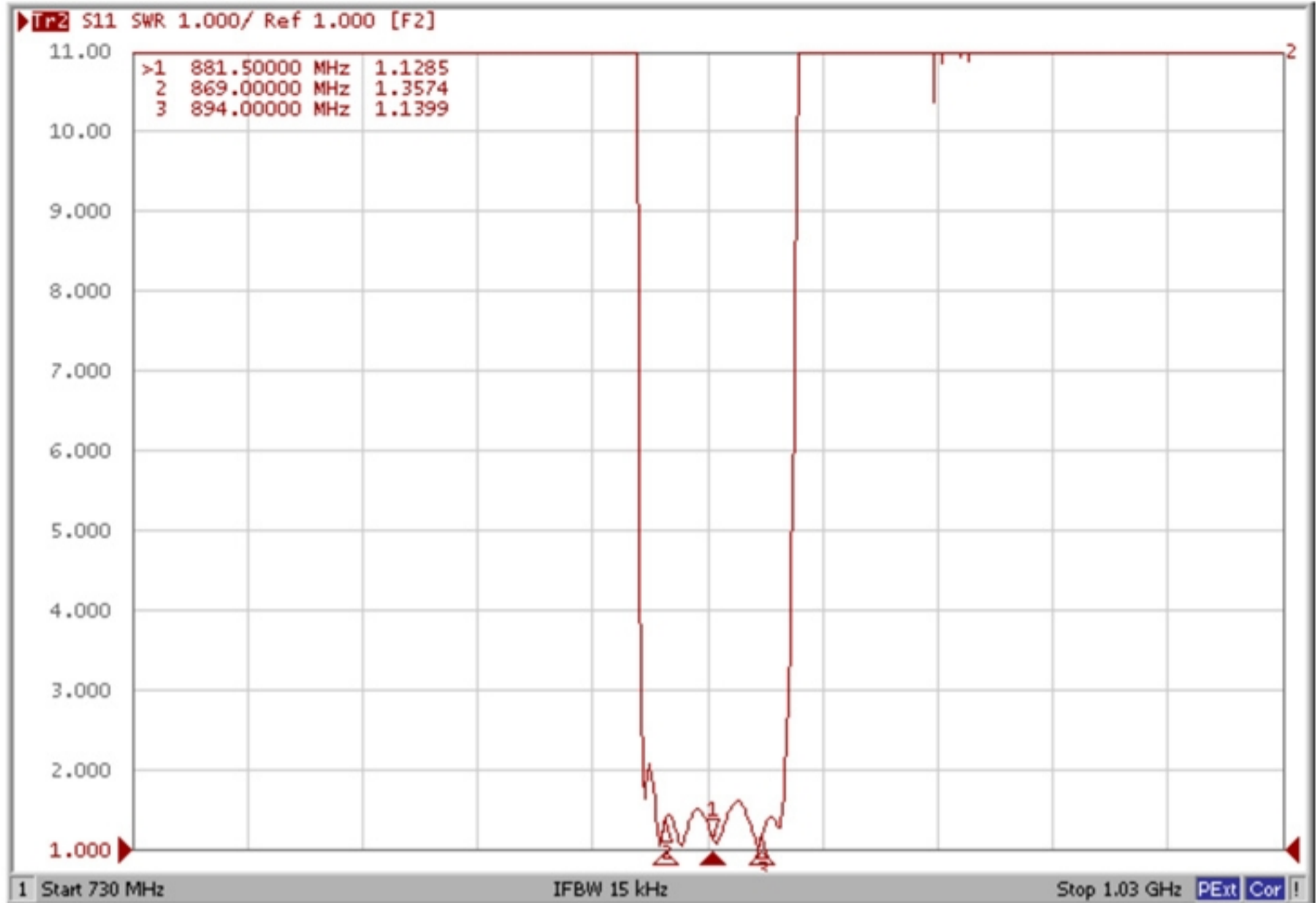
Parameters Description		Unit	Mini	Typical	Max
Center Frequency (Fo)		MHz	-	881.5	
Insertion Loss	869.0 ~ 894.0 MHz	dB	-	1.3	1.8
Amplitude Ripple		dB <sub>p-p</sub>	-	0.3	1.1
Input VSWR		-	-	1.6	2.0
Output VSWR		-	-	1.6	2.0
<b>Attenuation:</b>					
1.0~ 824.0 MHz		dB	48	54	-
824.0 ~ 849.0 MHz		dB	46	51	-
849.0 ~ 854.0 MHz		dB	30	41	-
909.0 ~ 979.0 MHz		dB	20	27	-
1710.0 ~ 1910.0 MHz		dB	40	45	-
1920.0 ~ 2500.0 MHz		dB	35	41	-
2500.0 ~ 6000.0 MHz		dB	30	36	-

### C. Frequency Characteristics :

#### Frequency Response

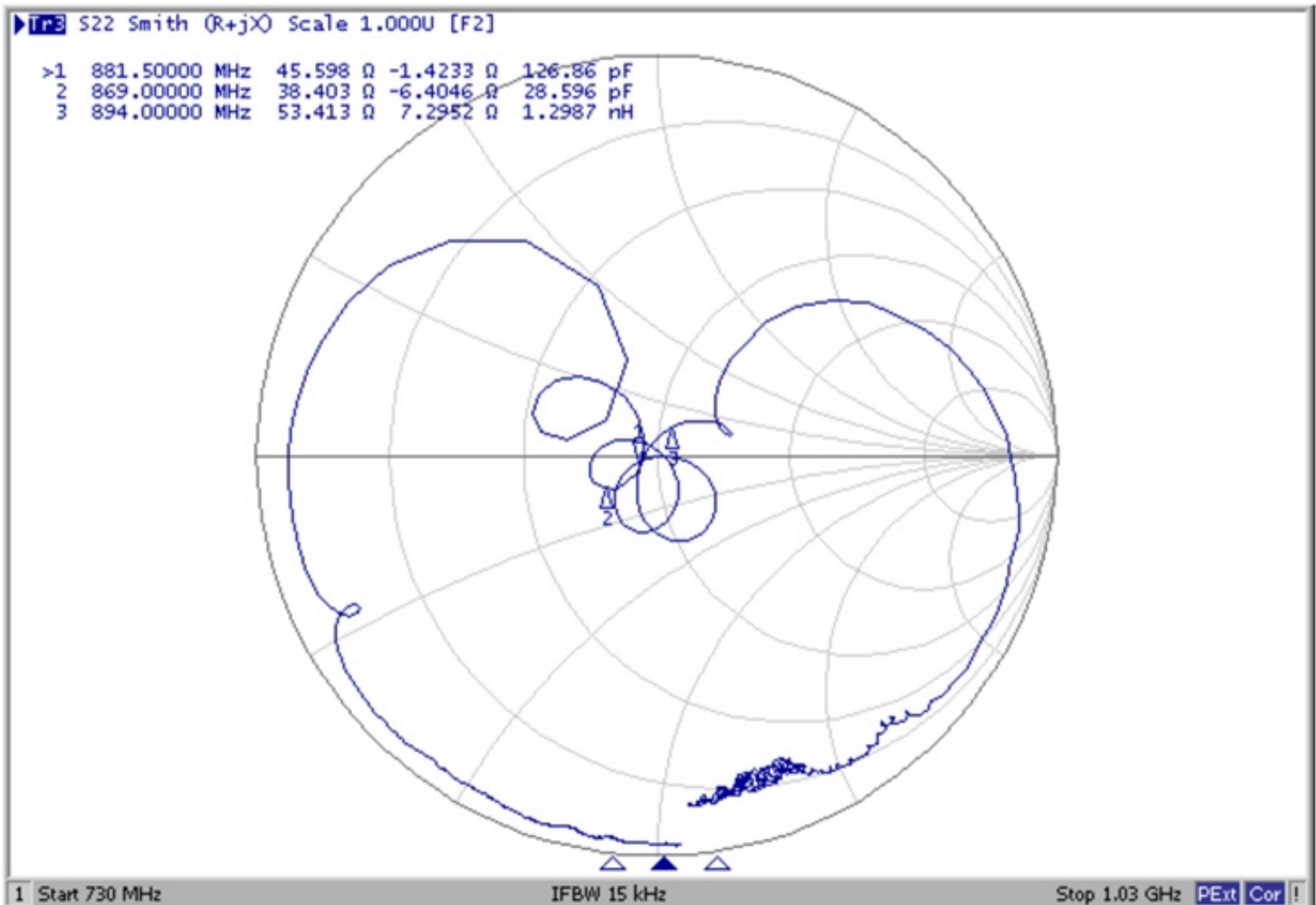
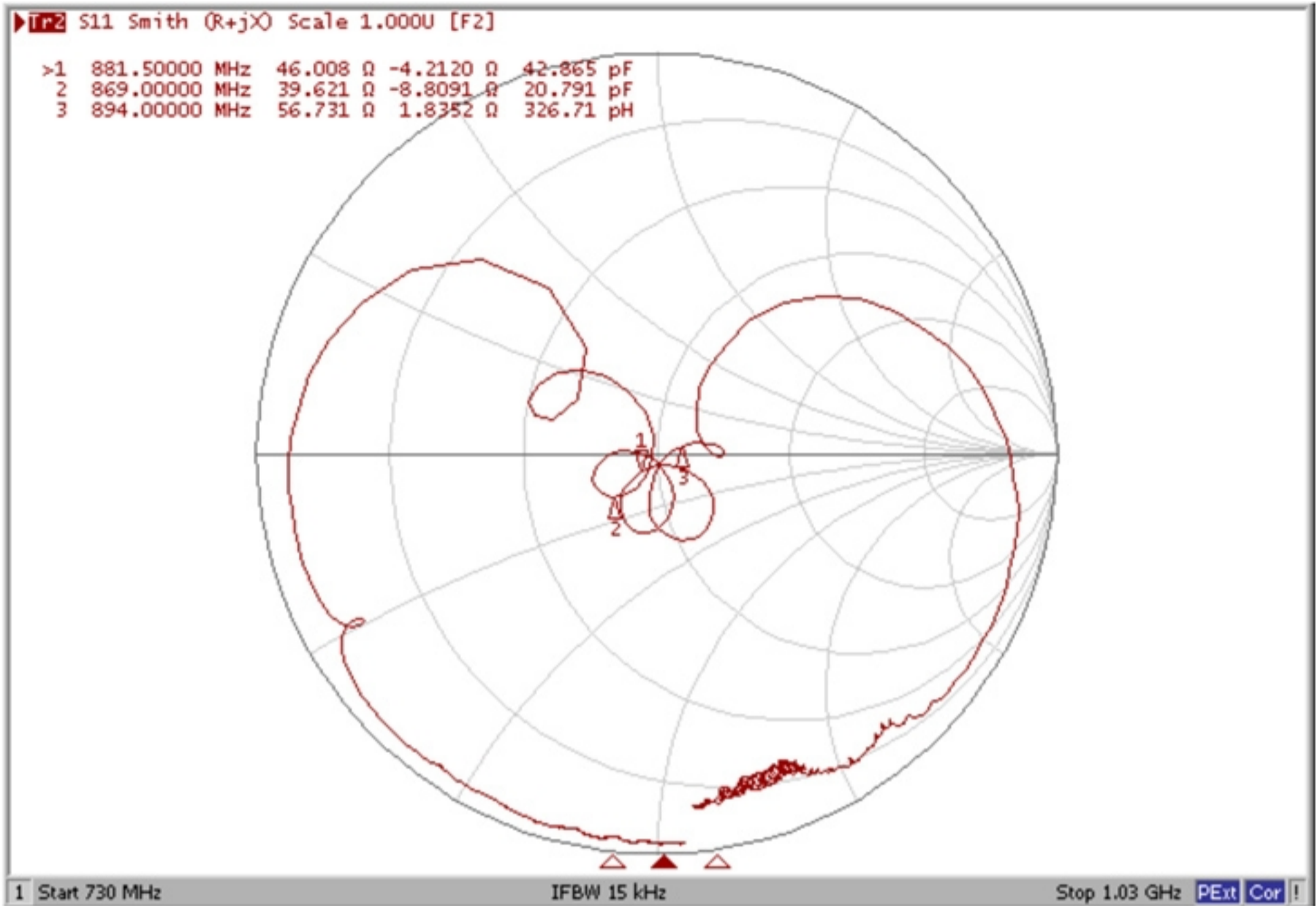


# VSWR

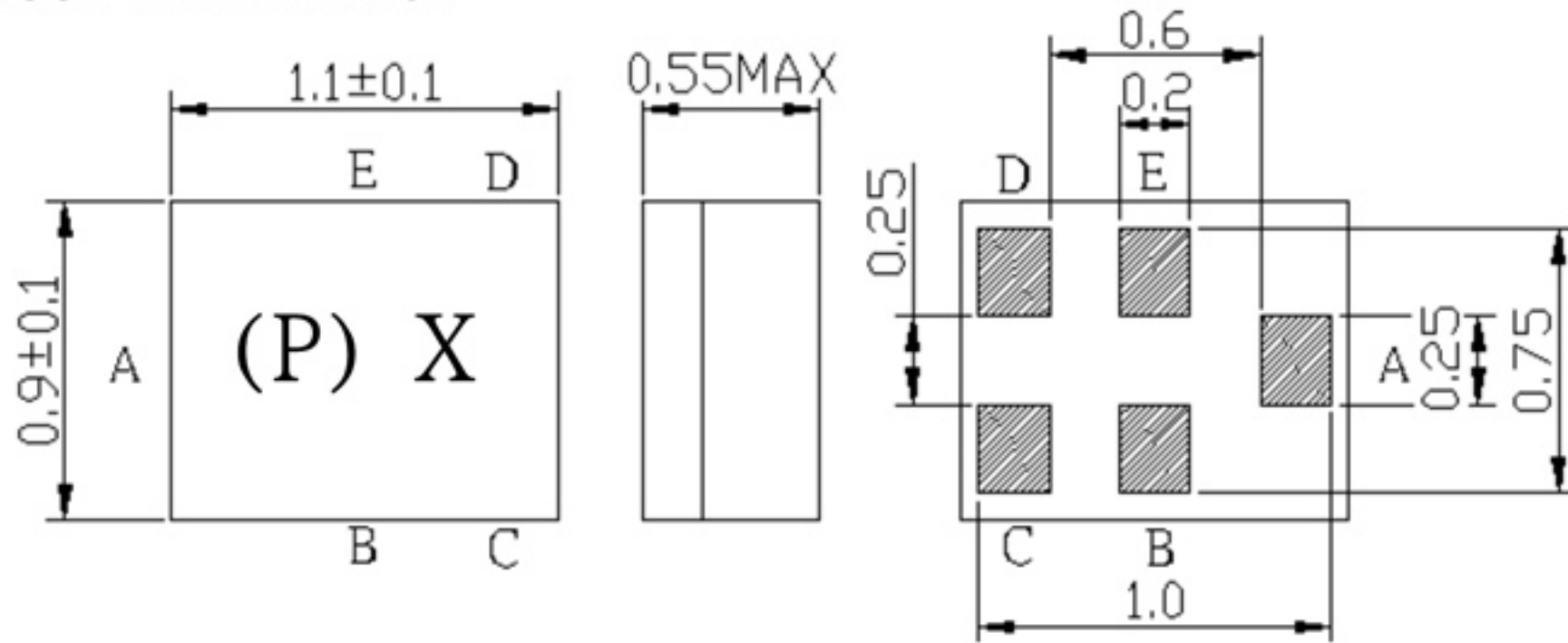




# Smith Chart



**D.OUTLINE DRAWING:**



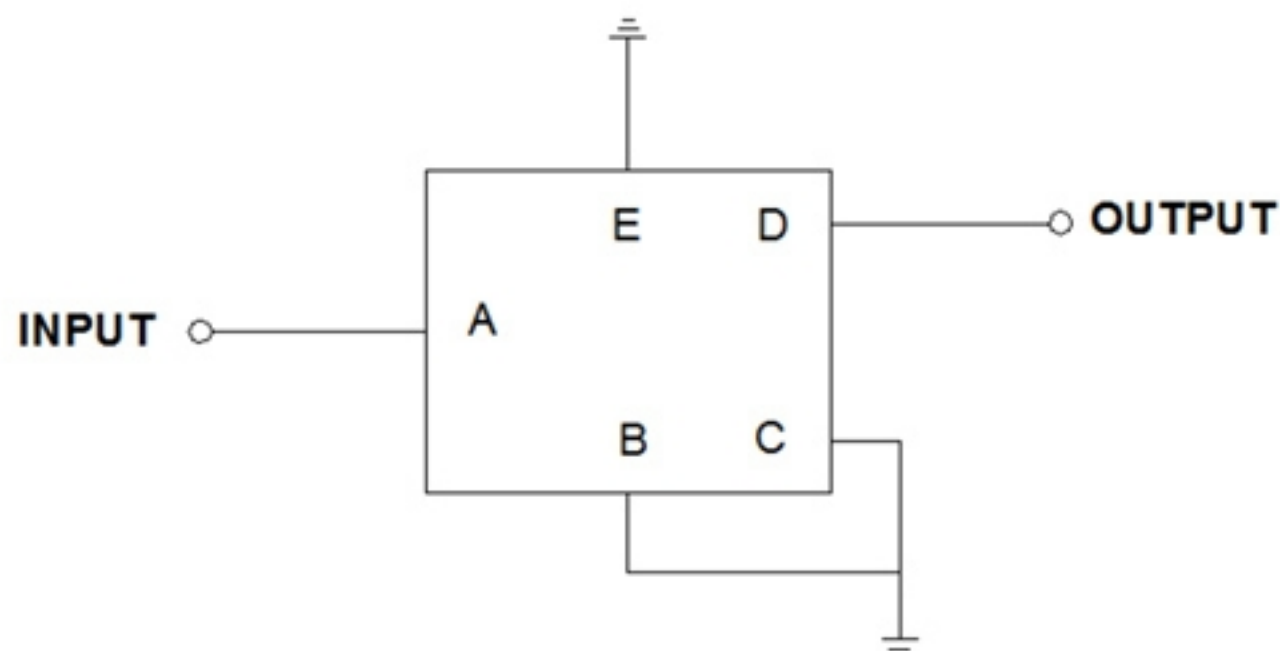
Marking Descriptions	
(P)	Series Number
X	Date Code(Year+Month)

Pin Description	
B, C, E	Ground
A	Input
D	Output

**Product date Code :**

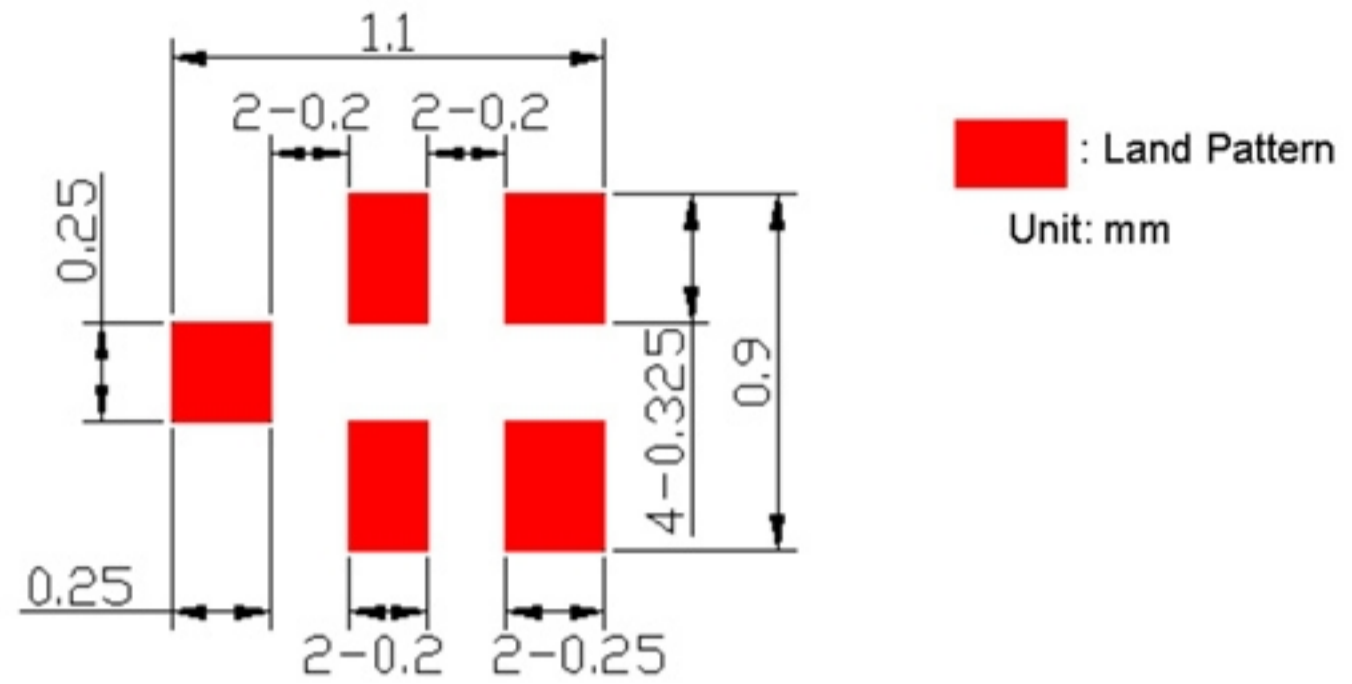
YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2018	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R</u>	<u>S</u>	<u>T</u>	<u>U</u>	<u>V</u>	<u>W</u>	<u>X</u>	<u>Y</u>	<u>Z</u>
2019	<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>	<u>f</u>	<u>g</u>	<u>h</u>	<u>j</u>	<u>k</u>	<u>l</u>	<u>m</u>
2020	<u>n</u>	<u>p</u>	<u>q</u>	<u>r</u>	<u>s</u>	<u>t</u>	<u>u</u>	<u>v</u>	<u>w</u>	<u>x</u>	<u>y</u>	<u>z</u>

**E. MEASUREMENT CIRCUIT:**



Source & Load Impedance: 50  $\Omega$

**F. PCB Footprint :**



**G. PACKING:**

**1. REEL DIMENSION**

(Please refer to FR-75D10 for packing quantity)

