

# SAW Filter 1650.5MHz

MODEL NO.:TA2546A

REV. NO.:1.0

## A. MAXIMUM RATING:

1. Input Power Level: 20 dBm
2. DC Voltage : 0 V
3. Operating Temperature: -55 °C to +85 °C
4. Storage Temperature: -55 °C to +85 °C
5. Moisture Sensitive Level (MSL): Level 1

RoHS Compliant  
Lead free  
Lead-free soldering

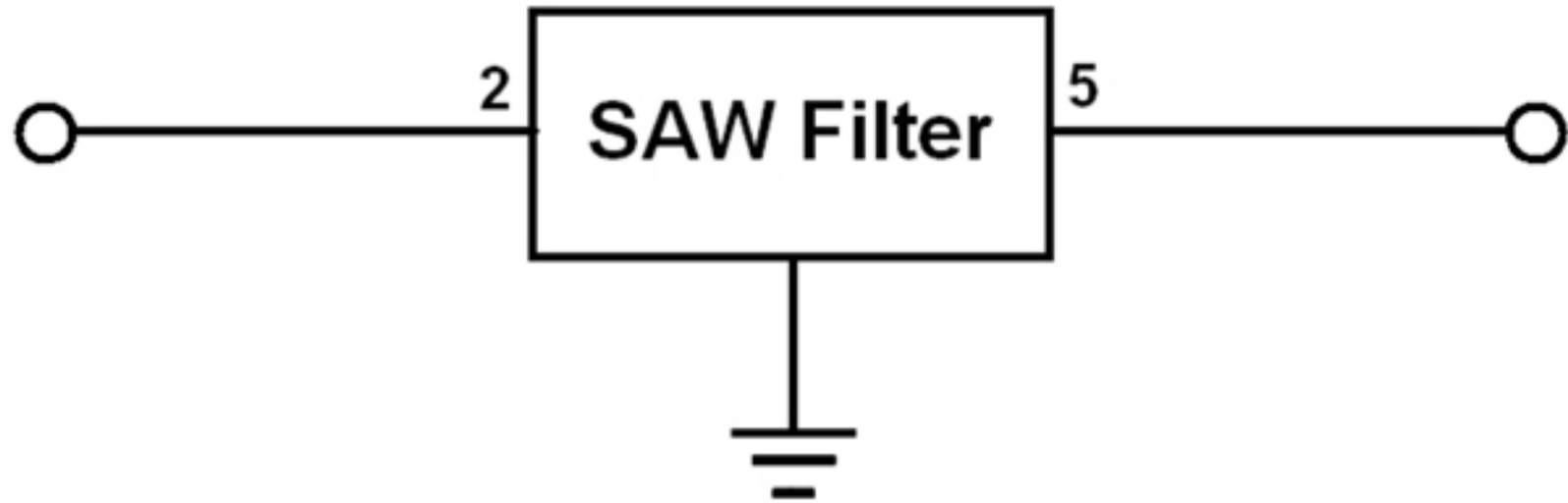
Electrostatic Sensitive Device (ESD)

## B. ELECTRICAL CHARACTERISTICS:

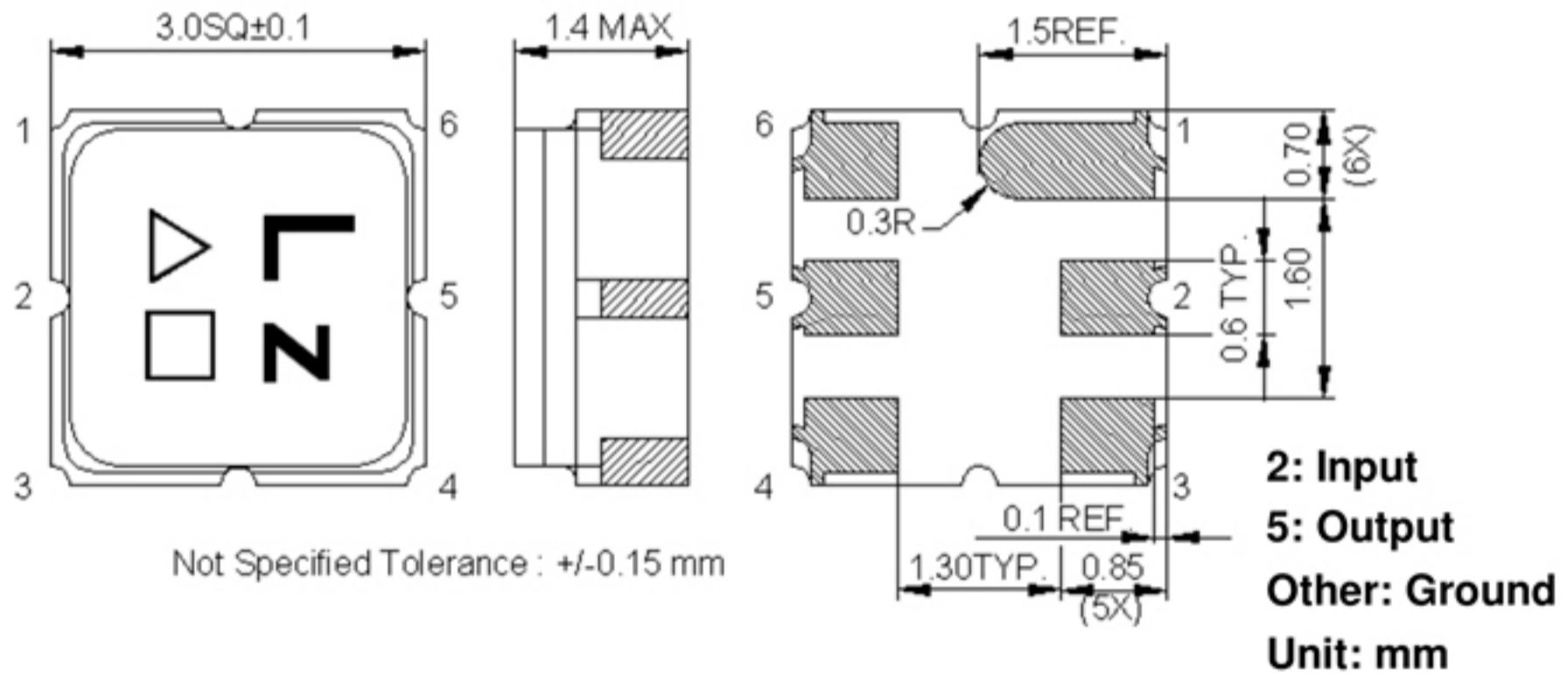
- Terminating source impedance (single) :  $Z_s = 50 \Omega$   
Terminating load impedance(single) :  $Z_L = 50 \Omega$

Item	Unit	Min	Typ.	Max
<b>Center Frequency</b>	MHz	-	1650.5	-
<b>Insertion Loss</b> (1626.5 ~ 1675 MHz)	dB	-	1.8	3.5
<b>Amplitude Ripple</b> (1626.5 ~ 1675 MHz)	dB	-	0.8	1.5
<b>Return Loss</b> (1626.5 ~ 1675 MHz)	dB	9	11	-
<b>Attenuation</b> (Reference from 0 dB)				
10 ~ 1559 MHz	dB	33	36	-
1576.5 MHz	dB	30.5	49	-
1610 MHz	dB	8	16	-
1736 ~ 1756 MHz	dB	35	46	-
2400 ~ 2500 MHz	dB	35	48	-
<b>Temperature Coefficient of Frequency</b>	ppm/K	-	-36	-

**C. TEST CIRCUIT:**



**D. OUTLINE DRAWING:**



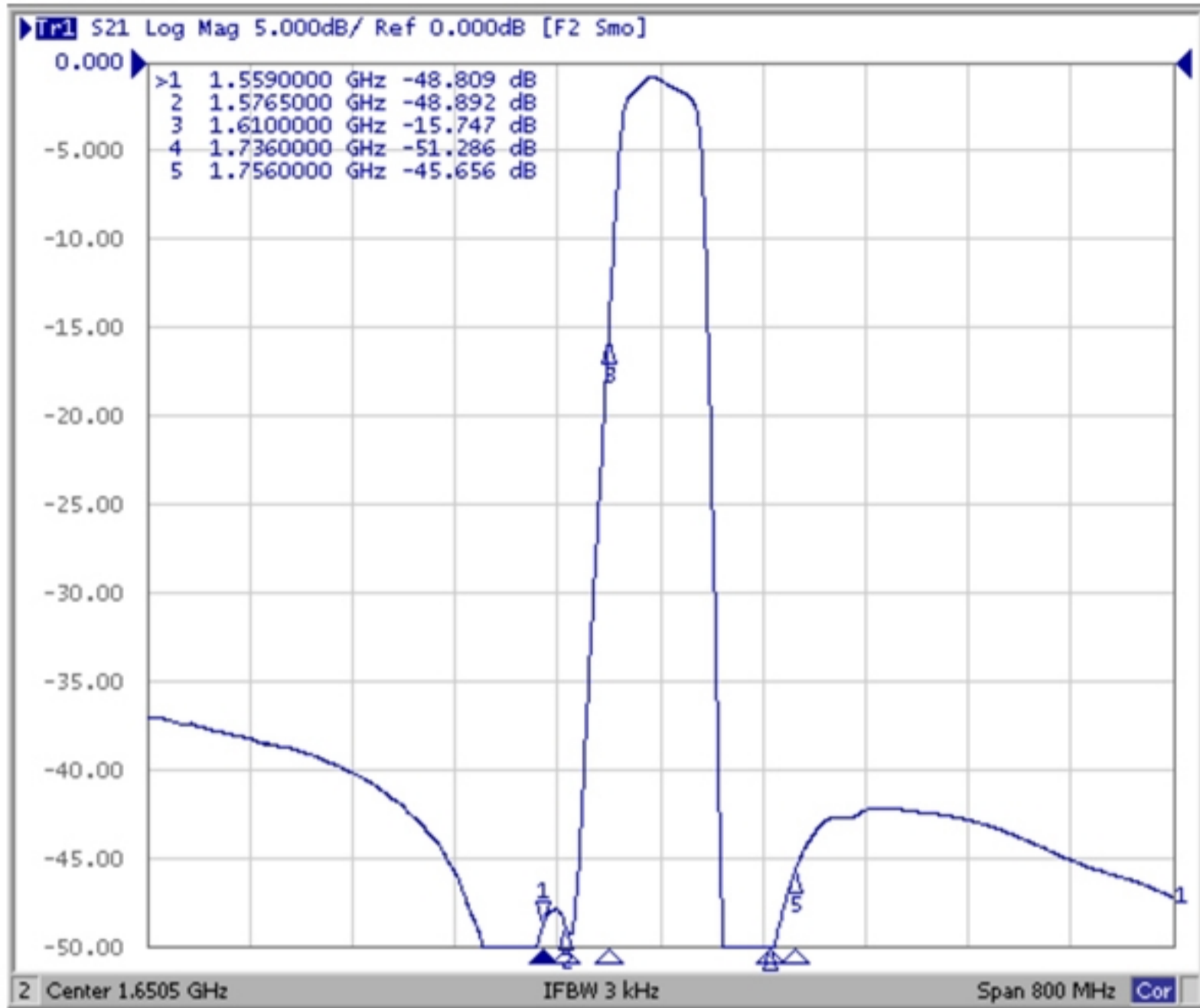
△ : Year Code (2009->9, 2010->0, ..., 2018->8)

□ : Date Code (Follow the table from planner each year)

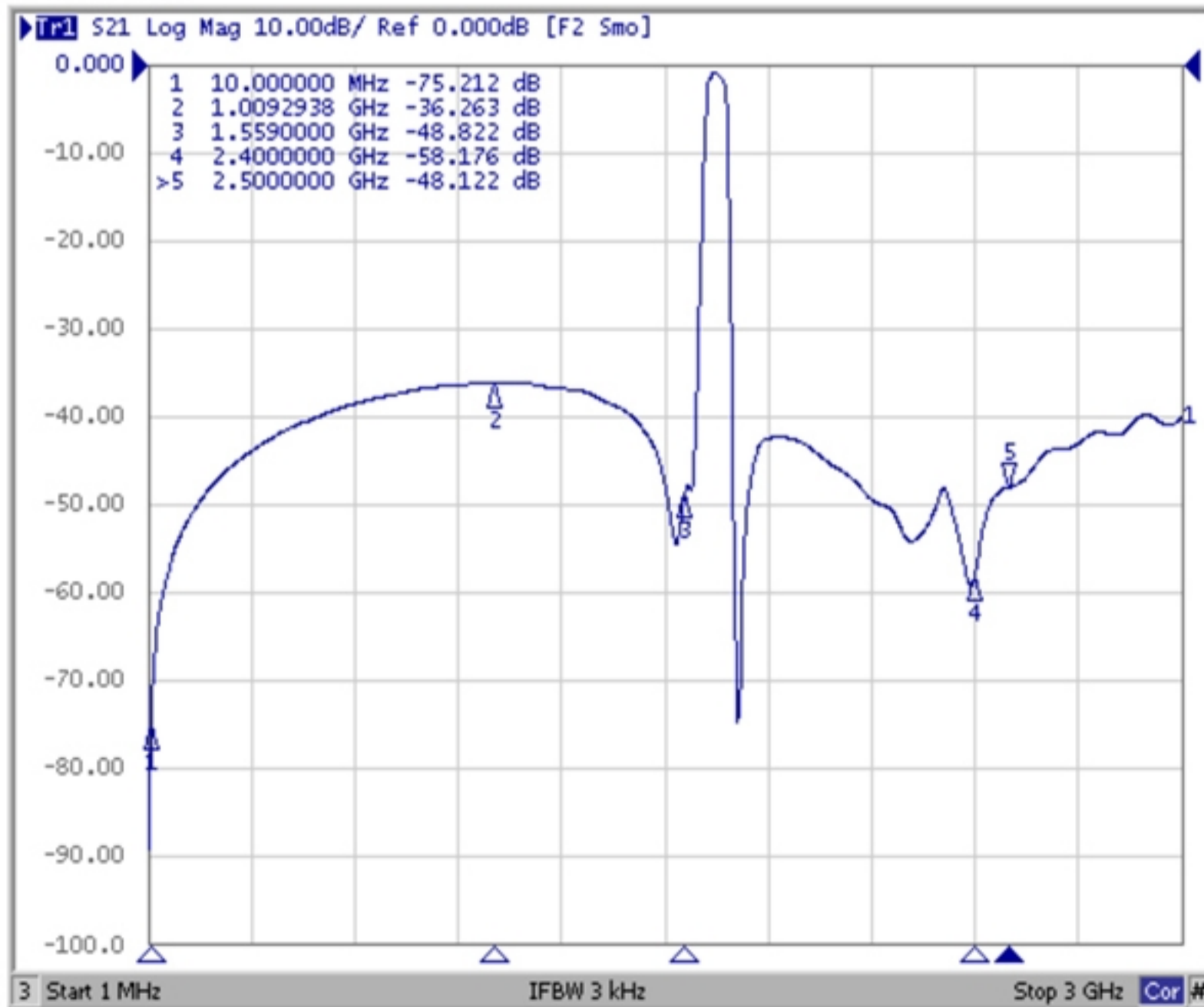
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

### E. Frequency Characteristics:

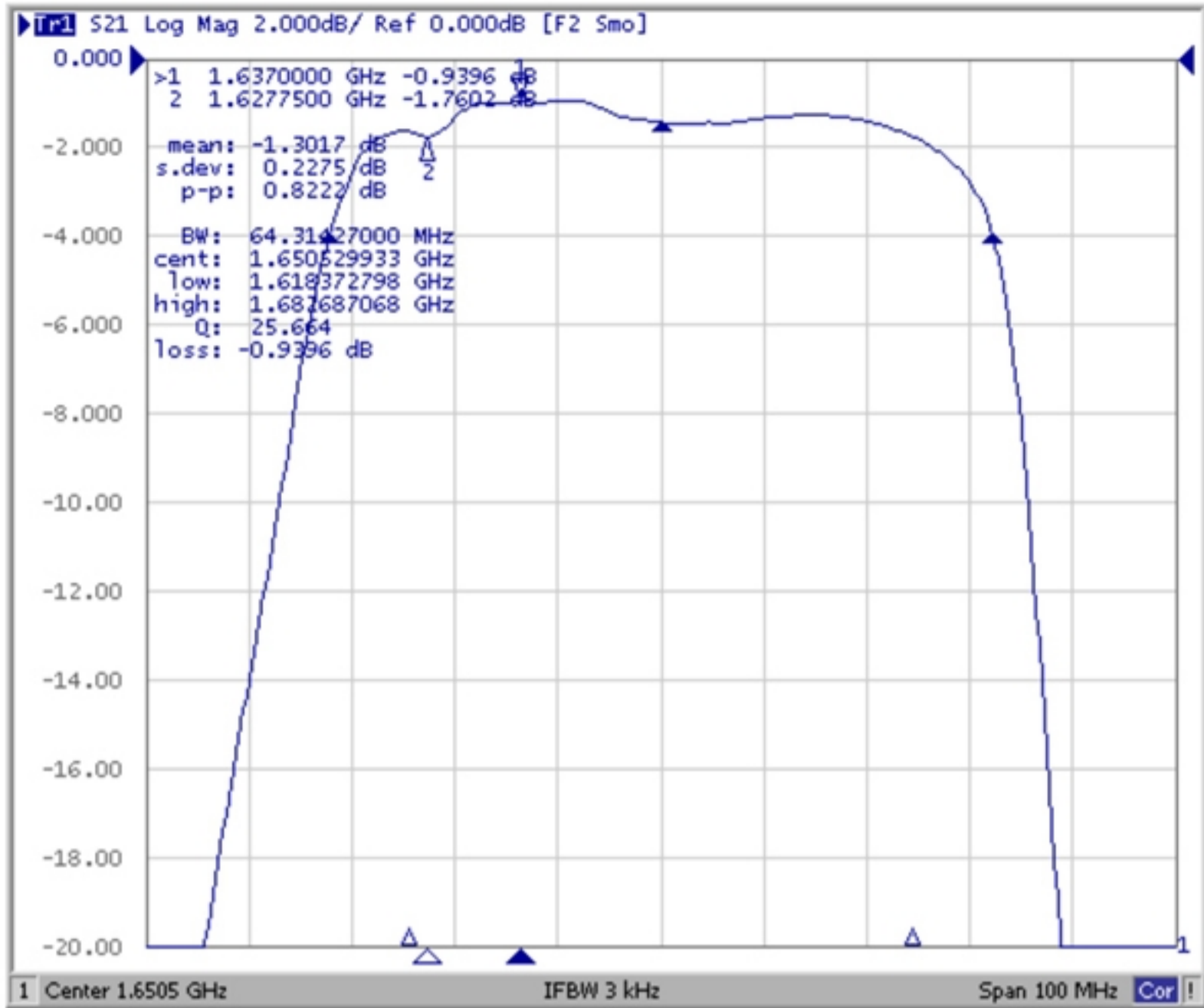
Span 800 MHz



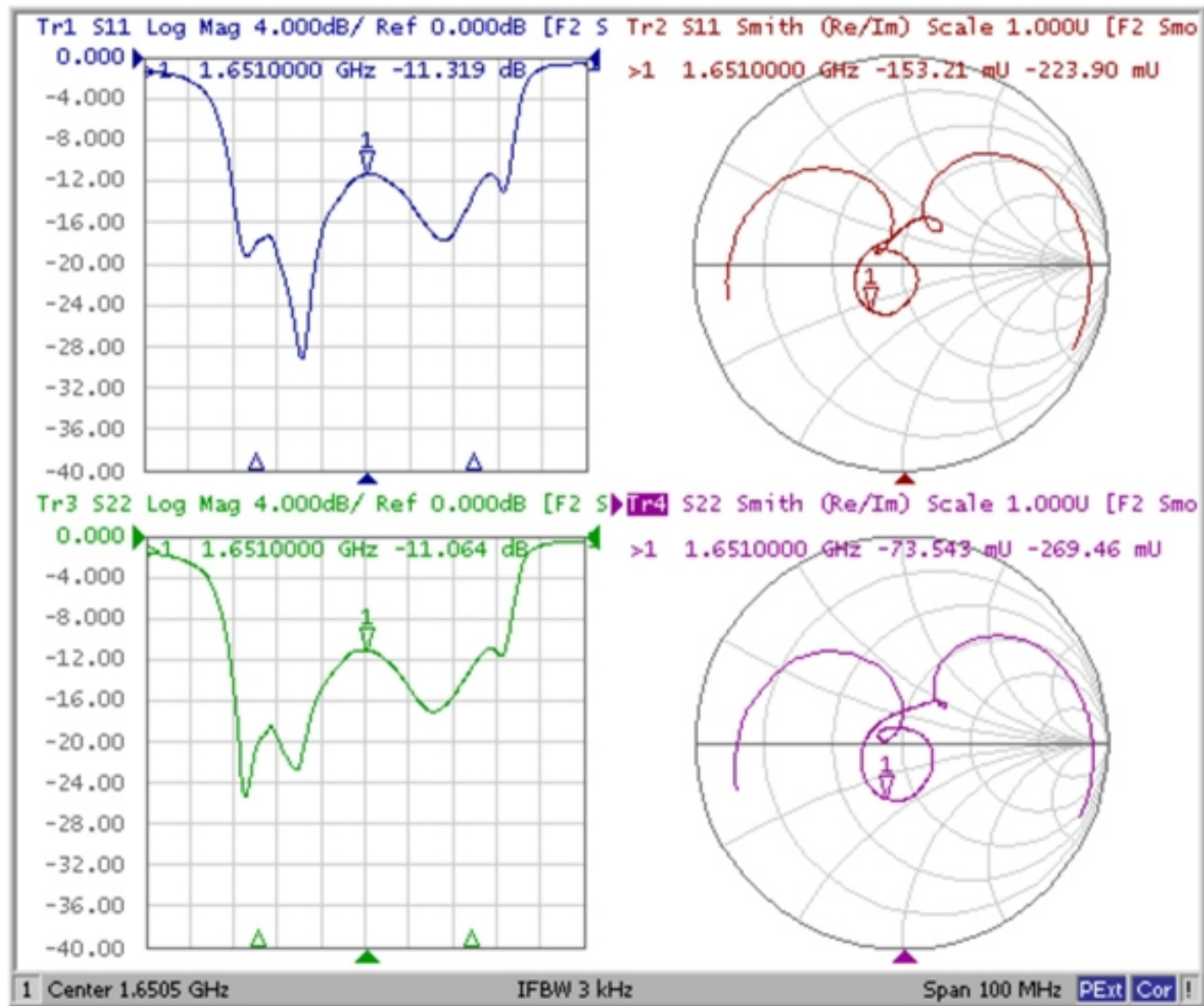
Span 3000 MHz



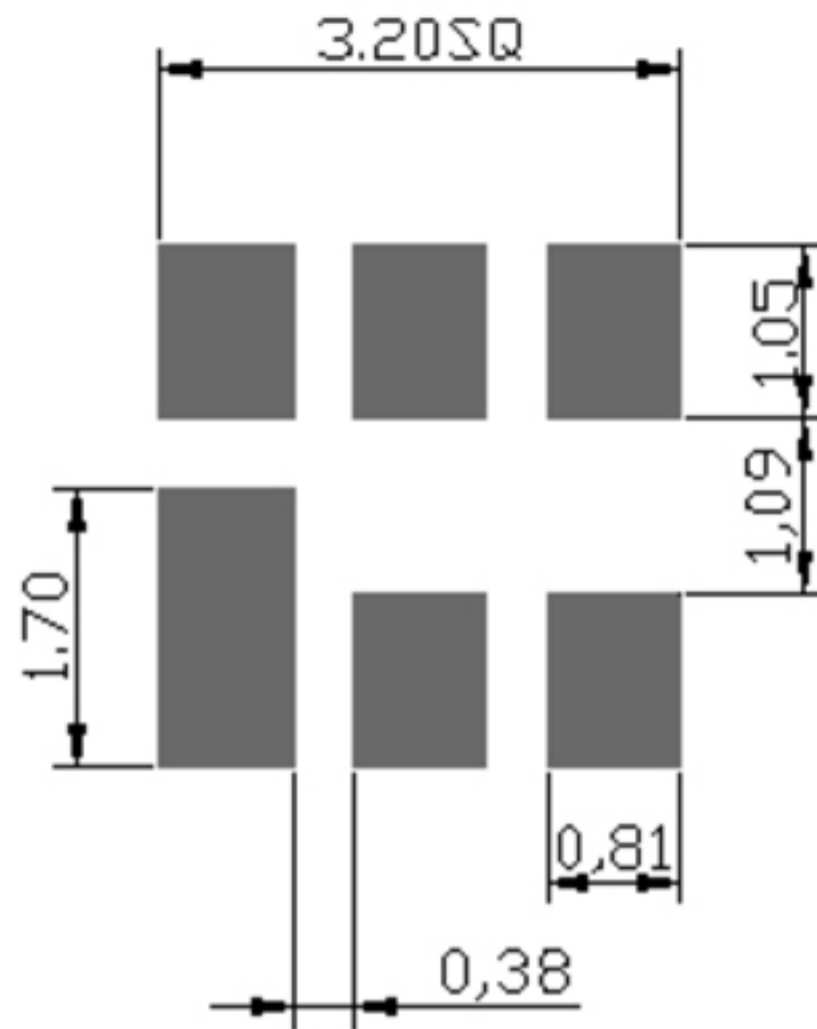
Span 100 MHz



Reflection Characteristic



**F. PCB FOOTPRINT:**



**G. PACKING:**

**1. REEL DIMENSION**

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

