

# SAW Filter 950.75 MHz SMD3030

MODEL NO.: TA2643A

Rev. NO. 1.0

## A. MAXIMUM RATING:

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

RoHS Compliant

Lead-free soldering

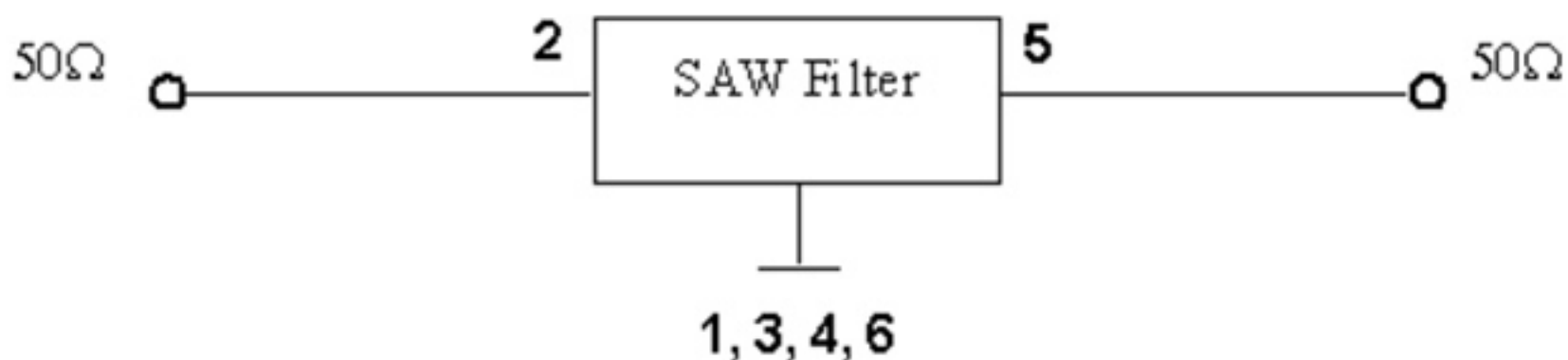
Electrostatic Sensitive Device (ESD)

## B. ELECTRICAL CHARACTERISTICS:

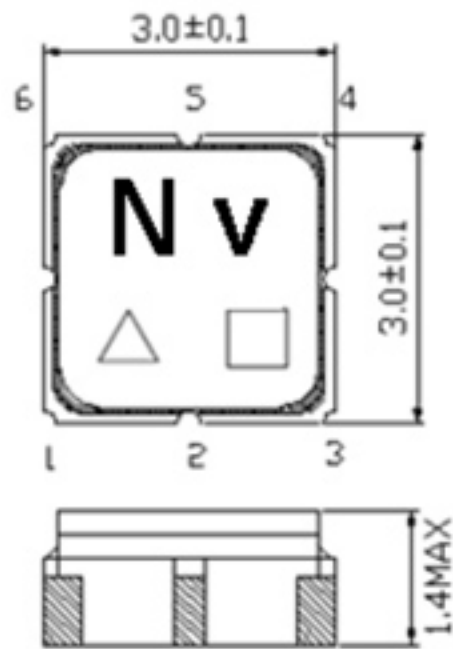
Item	Unit	Min.	Typ.	Max.
Center Frequency	MHz	-	950.75	-
Insertion loss (941.5 ~ 960 MHz)	dB		2.25	3.5
VSWR(941.5 ~ 960 MHz)			1.76	2.0
Group Delay at Fc	ns		33.6	45
Group Delay ripple(941.5 ~ 960 MHz)	ns		28.09	60
Amplitude ripple (941.5 ~ 960 MHz)	dB	-	1.12	2.2
<b>Attenuation (Reference level from 0 dB)</b>				
355 ~ 917 MHz	dB	33	40	-
985 ~ 1555 MHz	dB	35	45	
Temperature Coefficient of Frequency	ppm/k	-	-36	-

## C. MEASUREMENT CIRCUIT:

HP Network analyzer

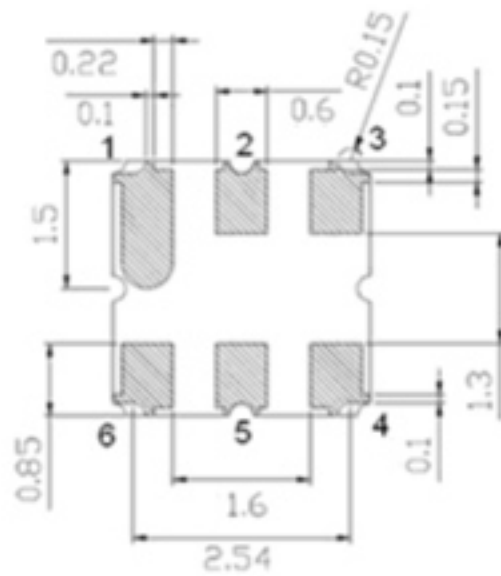


### D. OUTLINE DRAWING:



Unit : mm

Not Specified Tolerance : +/-0.15 mm



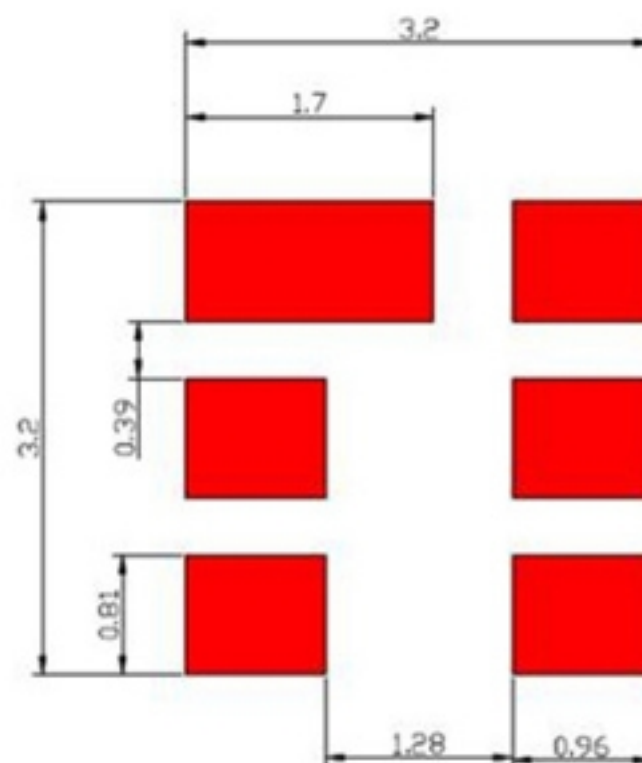
Pin No.	Symbol	Function
1	GND	Ground
2	IN	Input
3	GND	Ground
4	GND	Ground
5	OUT	Output
6	GND	Ground

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

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

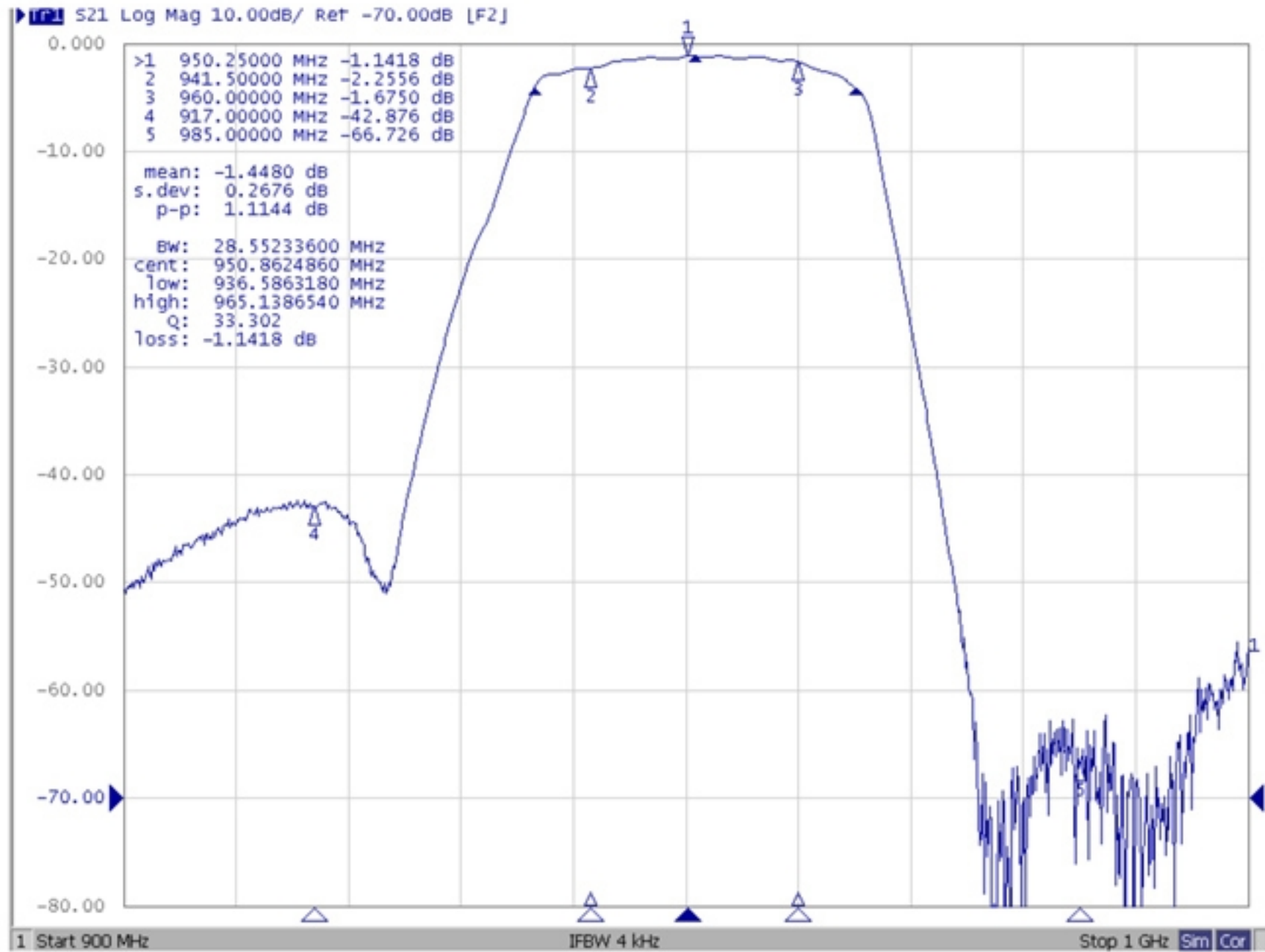
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

### E. PCB FOOTPRINT:

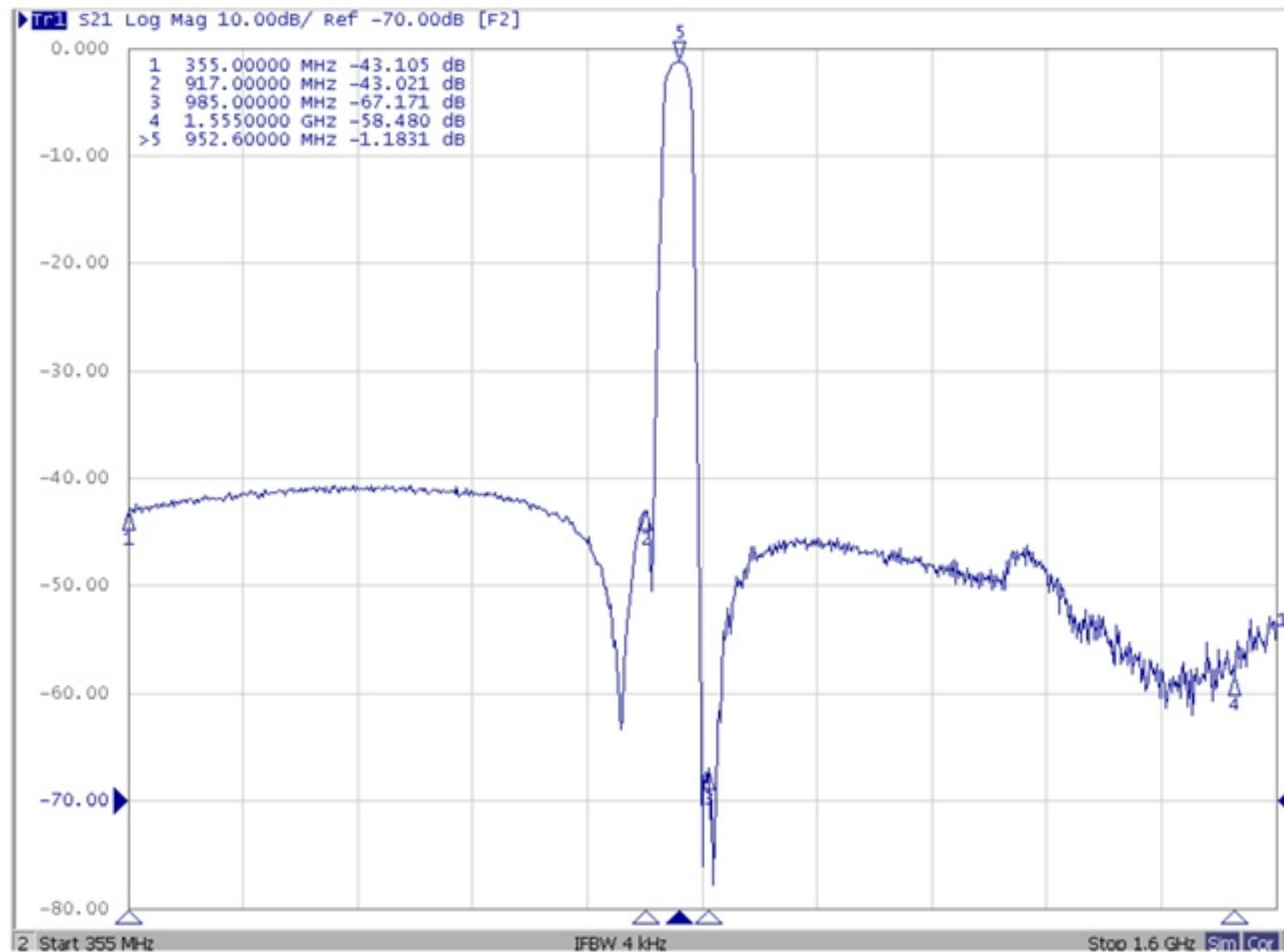


## F. FREQUENCY CHARACTERISTICS:

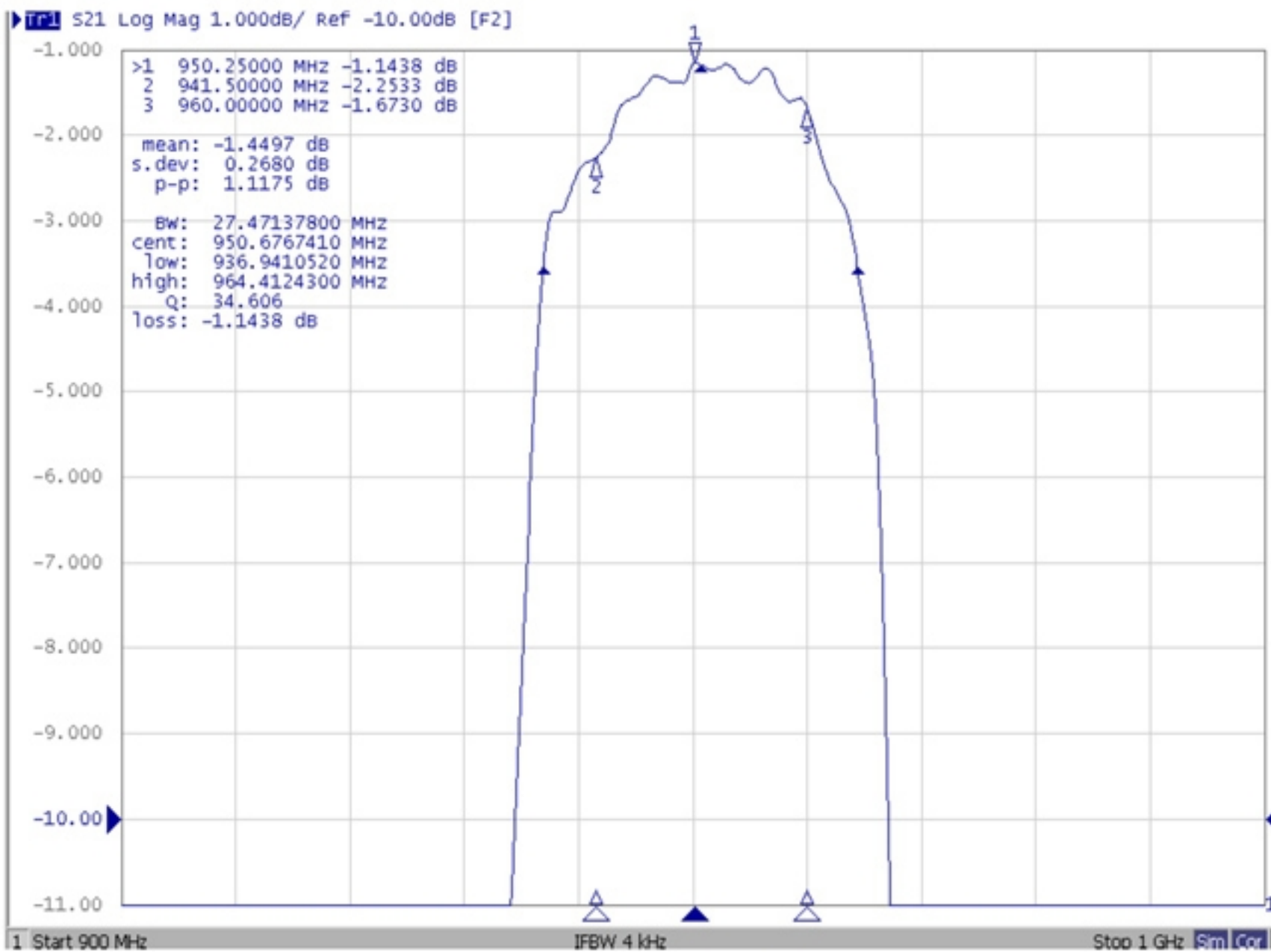
Span 100 MHz



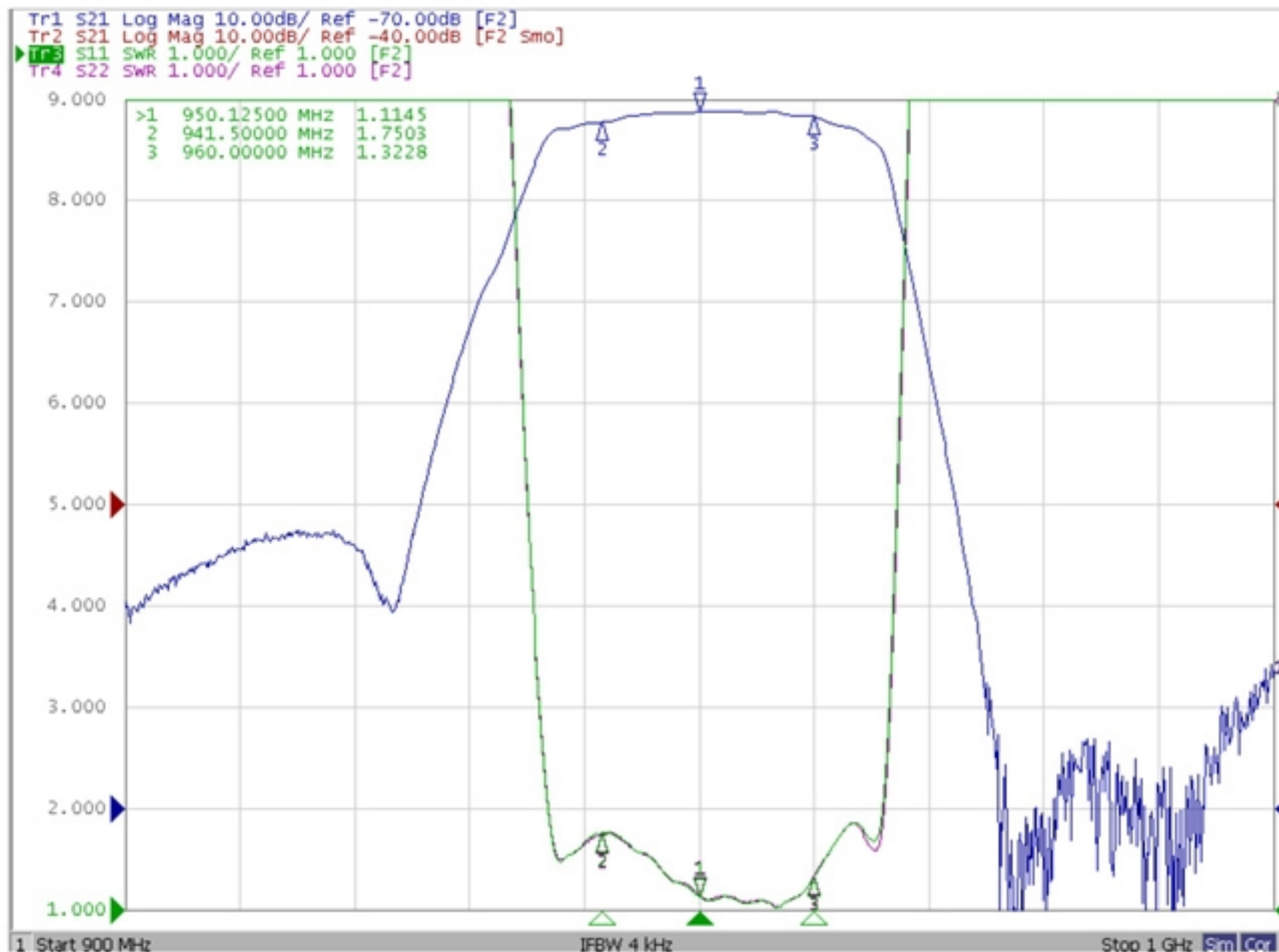
Span 1600MHz



## Span 100 MHz

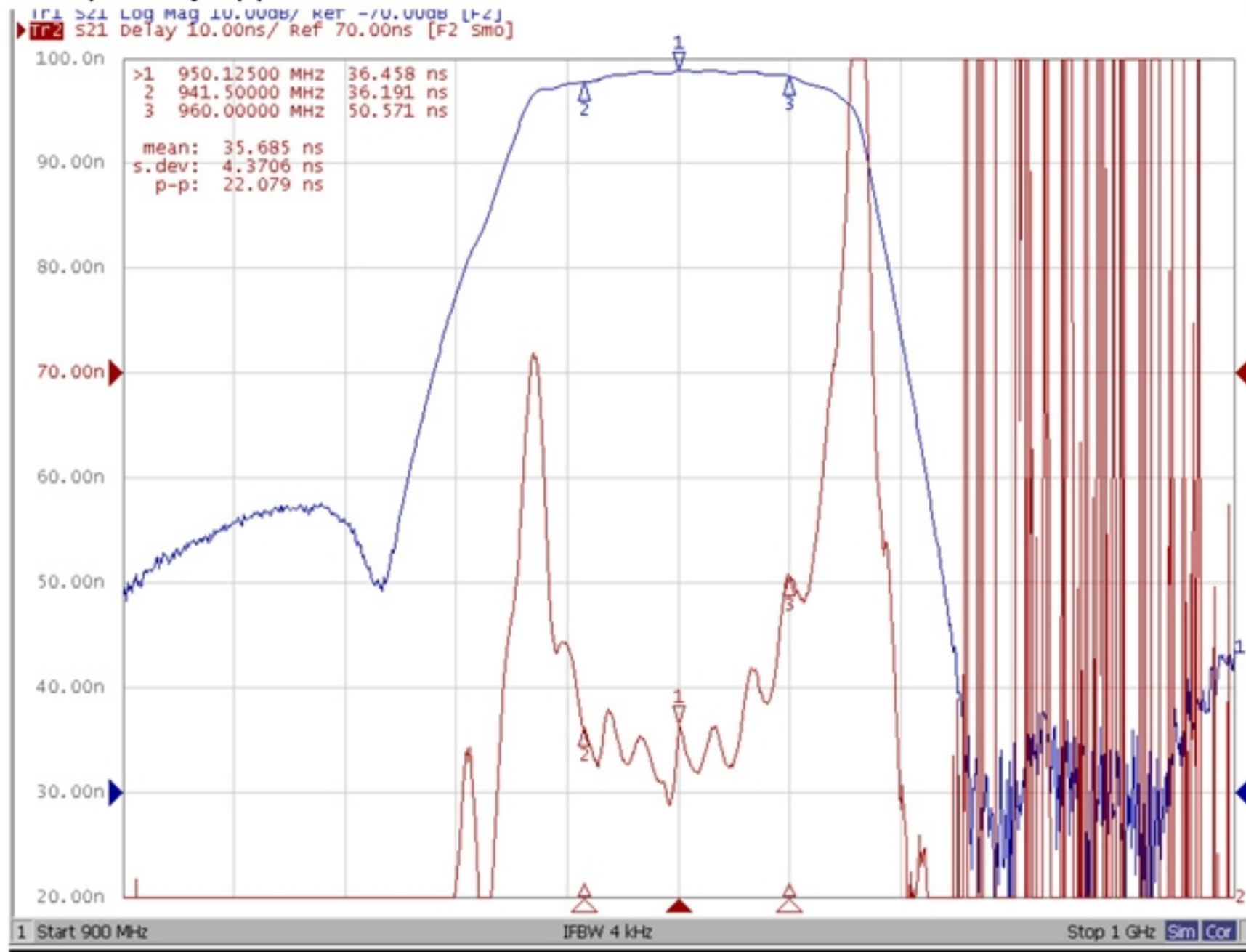


## VSWR





## Group Delay ripple



### G. PACKING: (Ref. WI-75M03)

#### 1. REEL DIMENSION

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

