



SAW Filter 1570 MHz

MODEL NO.: TA1703A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

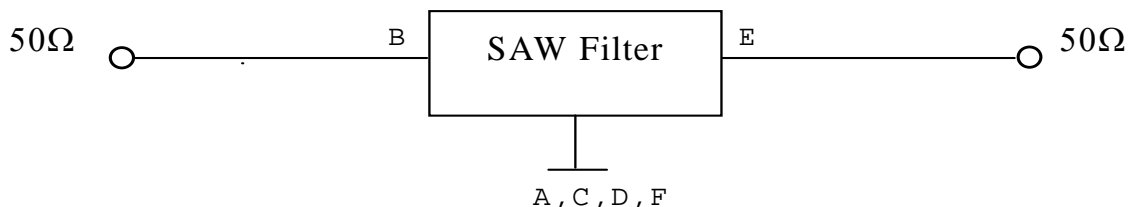
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

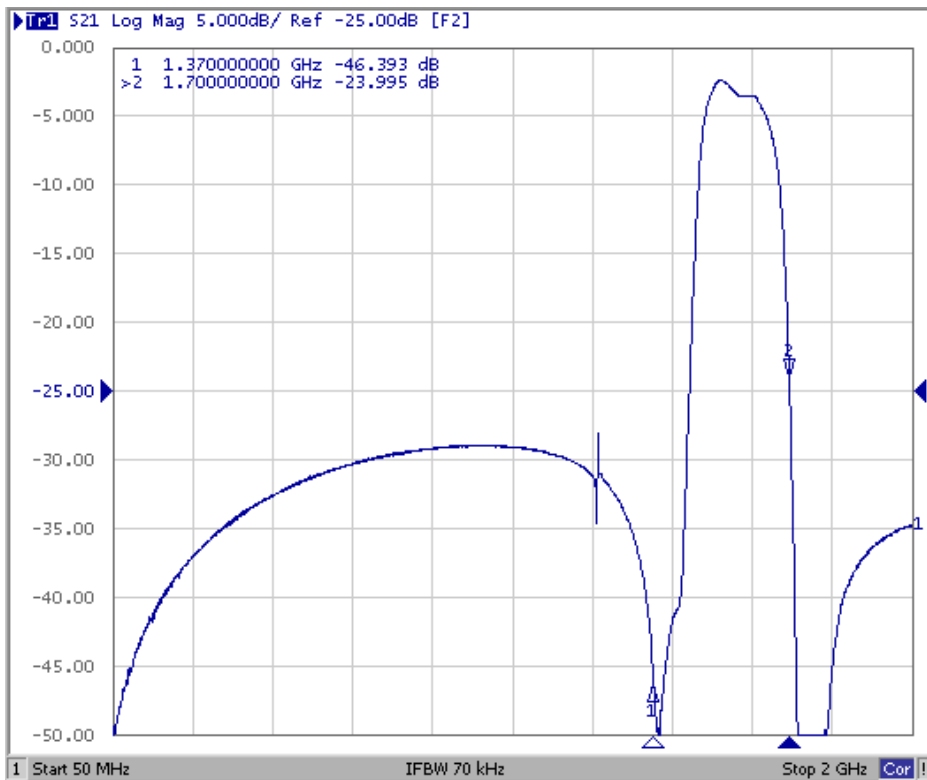
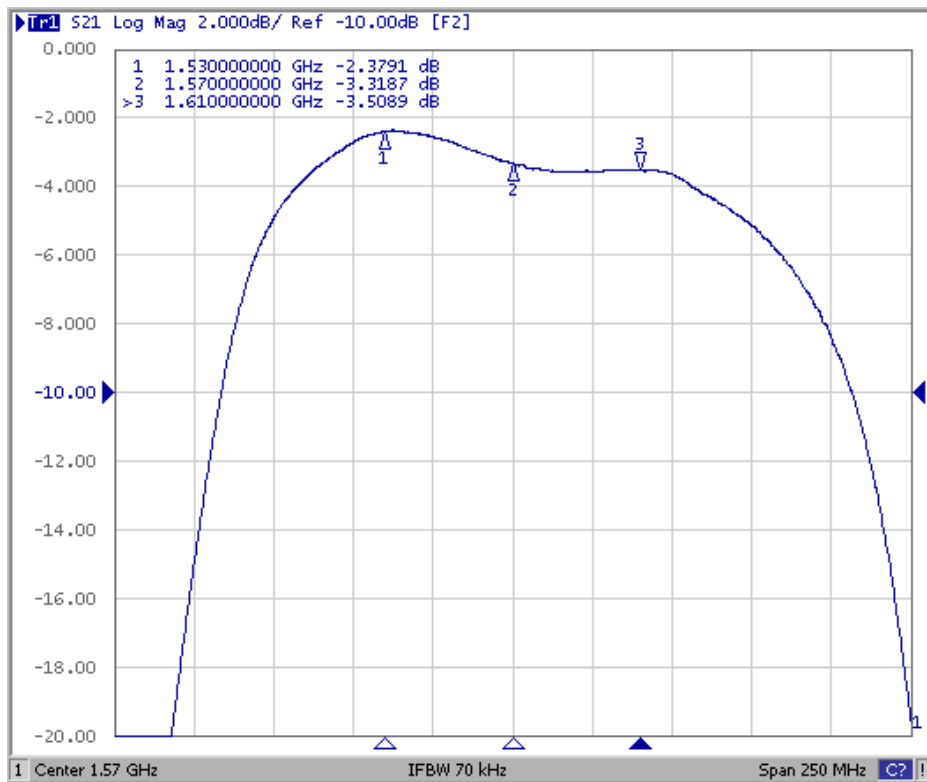
Item	Unit	Min.	Typ.	Max.
Center frequency F_c	MHz	-	1570	-
Insertion loss (1530~1610 MHz) IL	dB	-	3.6	4.2
Pass Band Ripple (1530~1610 MHz)	dB	-	1.3	2.2
Group Delay Variation (1530~1610 MHz)	ns	-	4	30
Return loss (1530~1610 MHz)	dB	6	7.5	-
Attenuation (Reference level from 0dB)				
50 ~ 1370 MHz	dB	20	28	-
1700 ~ 2000 MHz	dB	10	24	-
Temperature Coefficient of Frequency	Ppm/°C	-	-80	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer

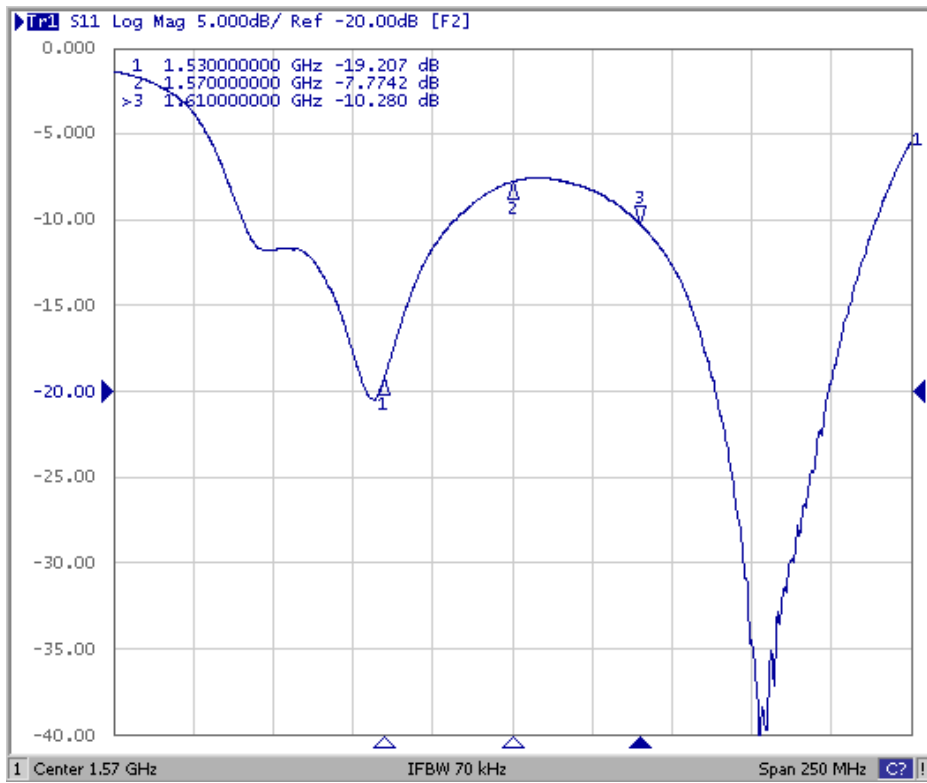


D. Frequency Characteristics:

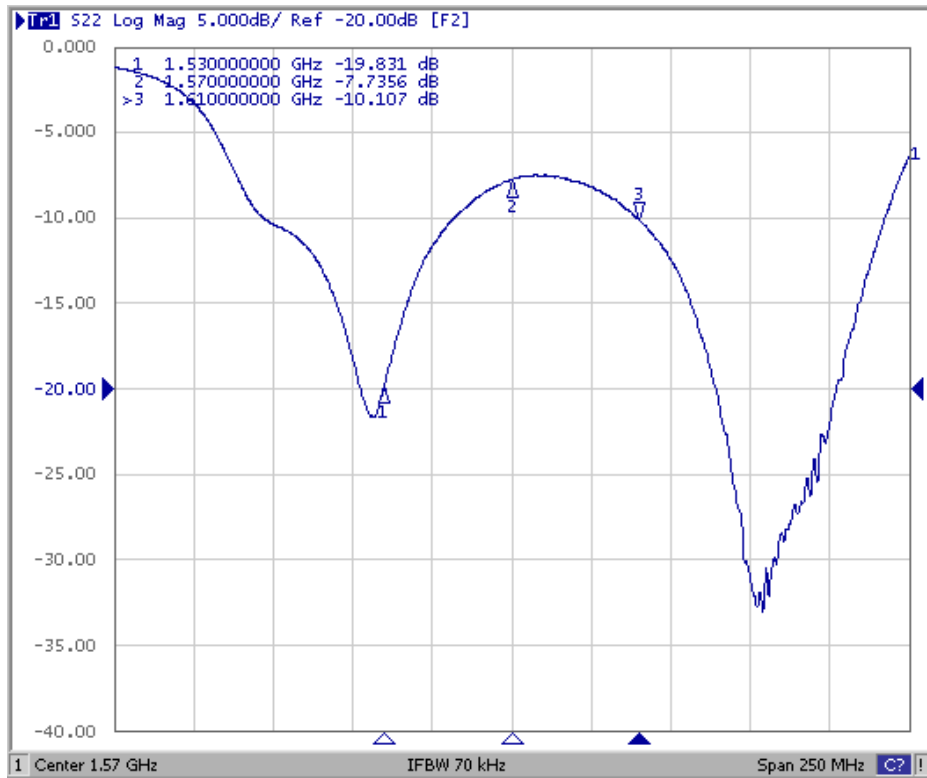


Reflection Functions:

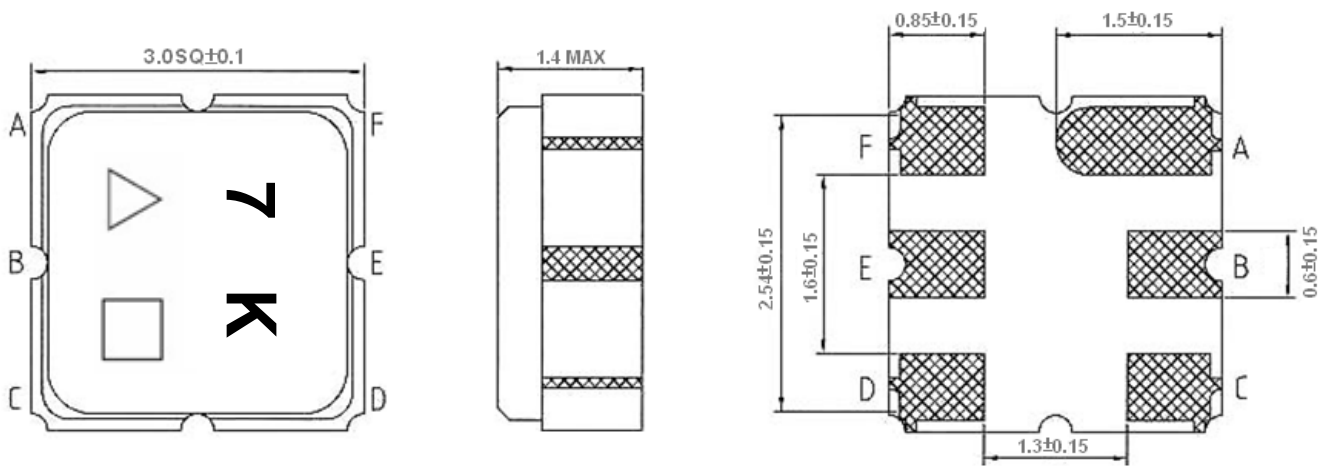
S11



S22



E. OUTLINE DRAWING:



B: Input

E: Output

A, C, D, F: Ground

Unit: mm

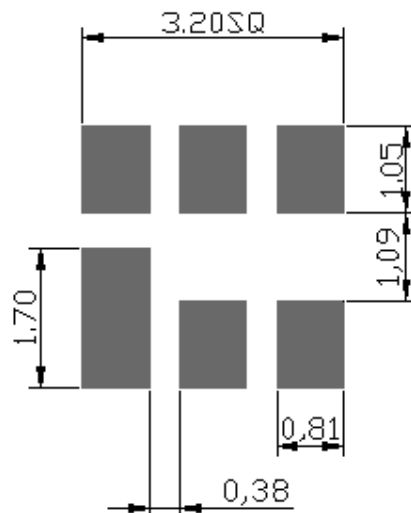
△ : Year Code (2011->1, 2012->2, ..., 2019->9, 2020->0)

□ : Date Code

Date 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. PCB Footprint:



H. RECOMMENDED REFLOW PROFILE:

