



DATASHEET

Surface Acoustic Wave Filter

- **Application : LTE BAND28F TC-SAW**
- **Model : SFH780AA402**
- **Center Frequency : 780 [MHz]**



WISOL CO. LTD.

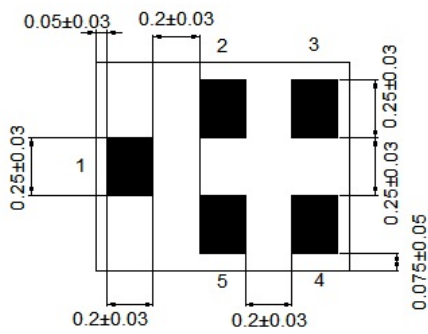
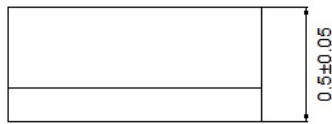
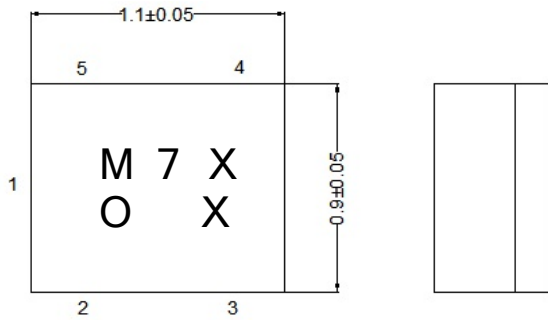
531-7, Gajang-ro, Osan-si,
GYEONGGI-DO, KOREA, 18103

<http://www.wisol.co.kr>

E-mail: sales@wisol.co.kr

1. OUTLINE DRAWING & RECOMMENDED PCB

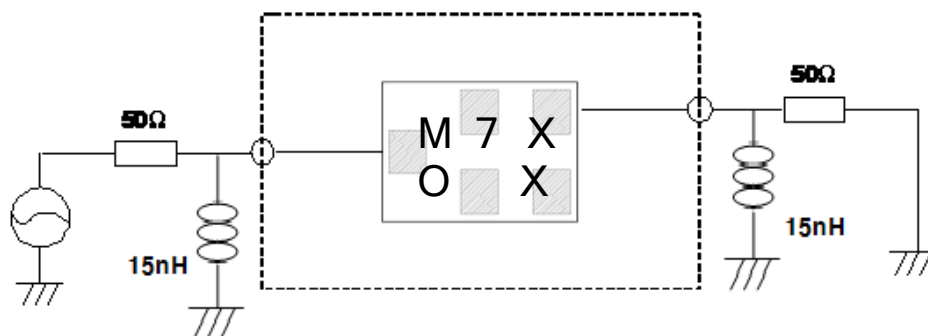
[Unit: mm]



모든단자의 크기는 똑같다.

No.	Function
2, 3, 5	Ground
1	Unbalanced Input
4	Unbalanced Output

2. TEST FIXTURE



< Top View >

3. PERFORMANCE

3-1. MAXIMUM RATINGS

CHARACTERISTICS	RATINGS	UNITS
DC Permissive Voltage	5	V
Maximum Input Power	15	dBm
Operating Temperature Range	- 30 ~ +85	°C
Storage Temperature Range	- 40 ~ +85	°C

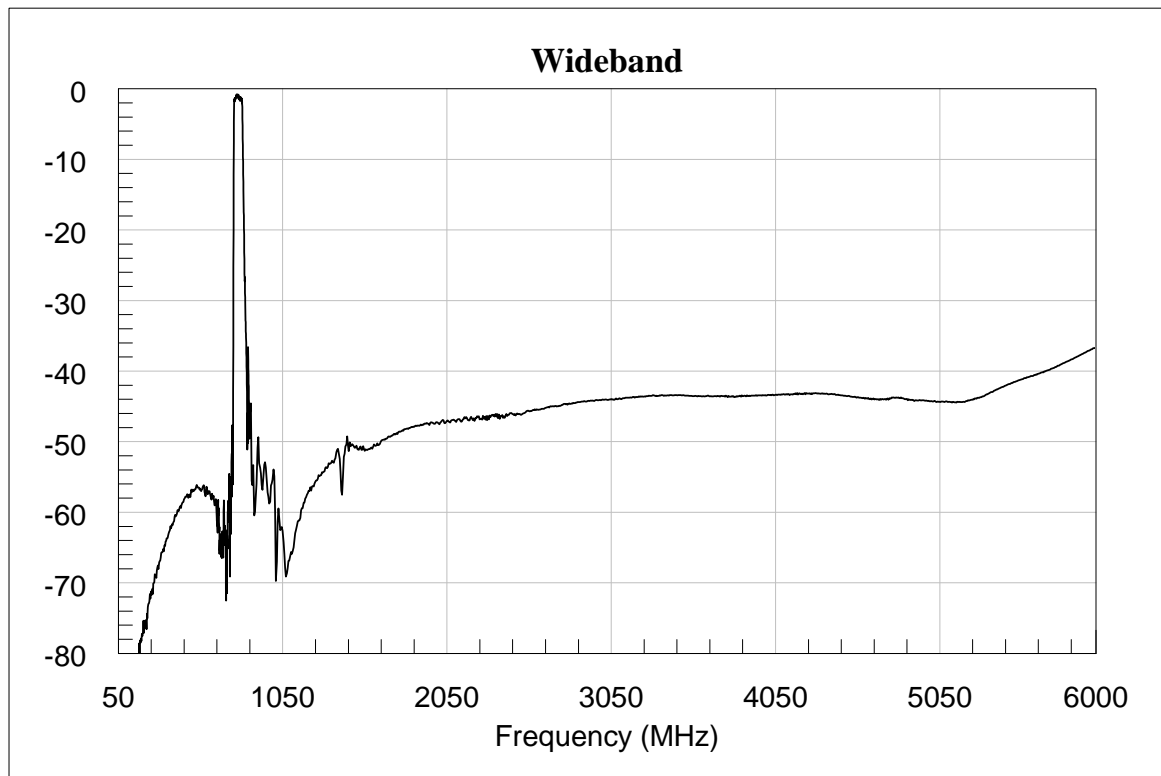
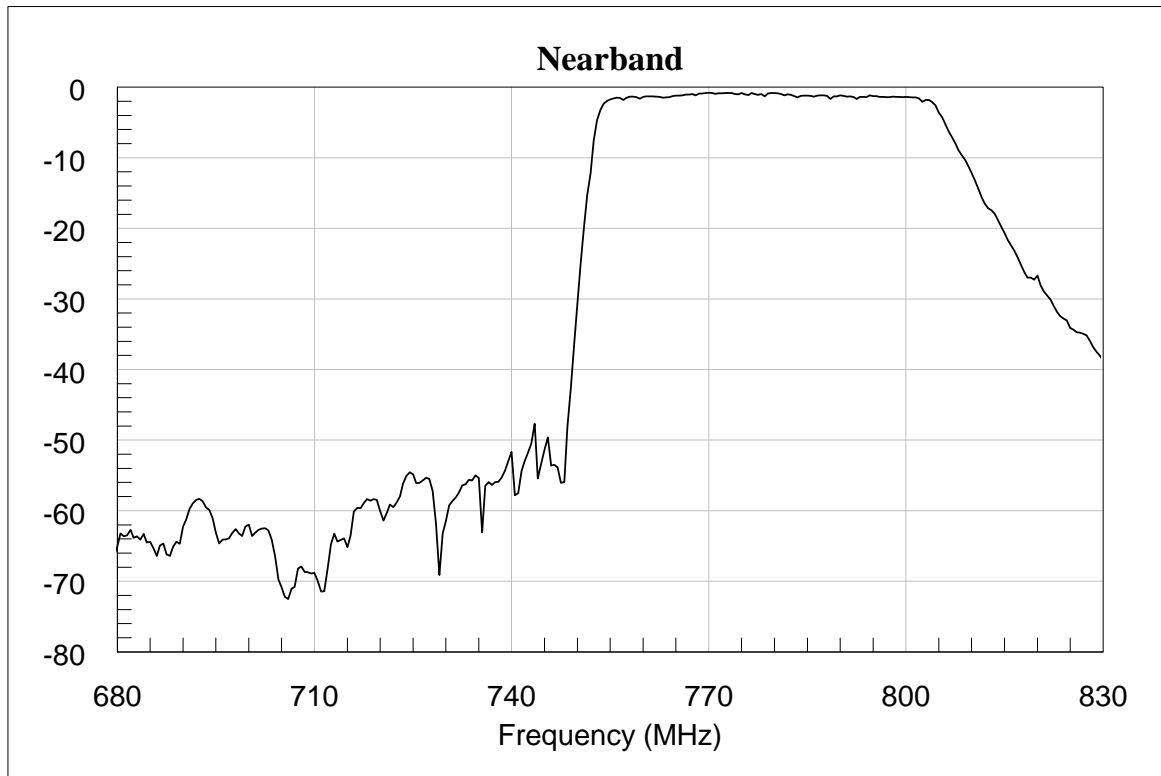
3-2. ELECTRICAL CHARACTERISTICS

3-2-1. TABLE

Ta = -30 ~ +85°C
PCB loss is de-embedded.

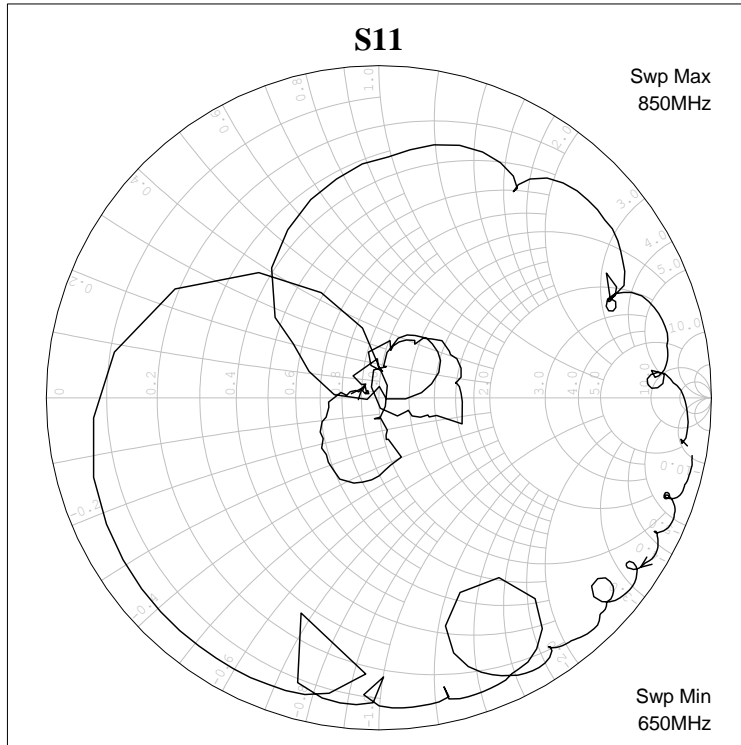
Item	CONDITION [MHz]	UNIT	RATING		
			Min.	Typ.(25°C)	Max.
ANT → RX					
Insertion Loss	758 ~ 803	dB	-	1.8	TBD
Inband Ripple	758 ~ 803	dB	-	1.0	TBD
VSWR	758 ~ 803	-	-	1.8	TBD
Absolute Attenuation	1 ~ 703	dB	TBD	56	-
	703~748	dB	TBD	48	
	830 ~ 915	dB	TBD	36	-
	1710 ~ 1785	dB	TBD	48	-
	1850 ~ 1920	dB	TBD	47	-
	1920 ~ 2400	dB	TBD	46	-
	2400 ~ 2500	dB	TBD	45	-
	2484 ~ 2775	dB	TBD	44	-
	2775 ~ 2880	dB	TBD	44	-
	2800 ~ 6000	dB	TBD	36	-
Termination Impedance : ANT / RX			50 Ω (//15[nH]) / 50 Ω (//15[nH])		

3-2-2. GRAPH



S11

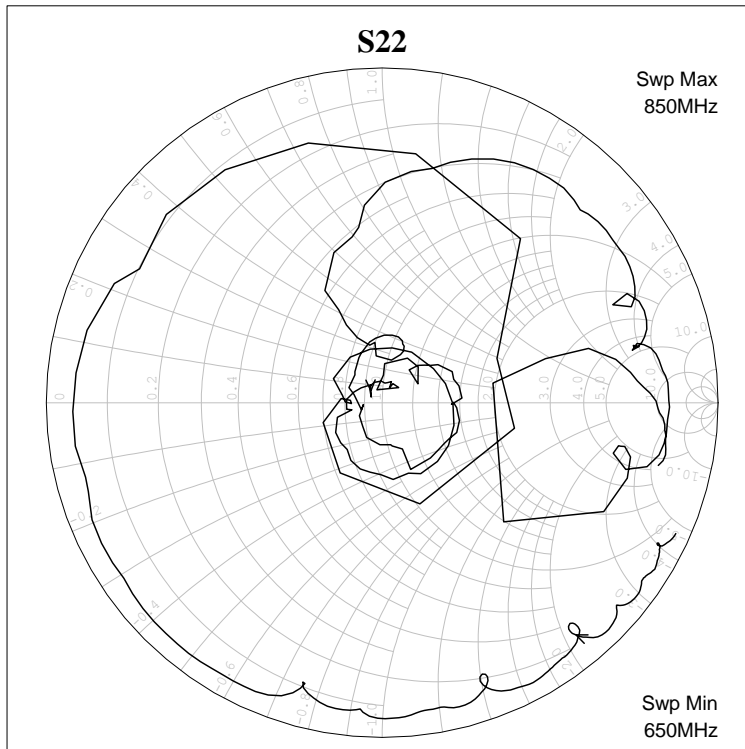
Swp Max
850MHz



Swp Min
650MHz

S22

Swp Max
850MHz

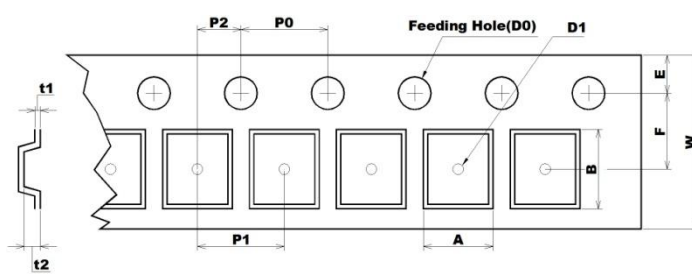


Swp Min
650MHz

4. PACKING

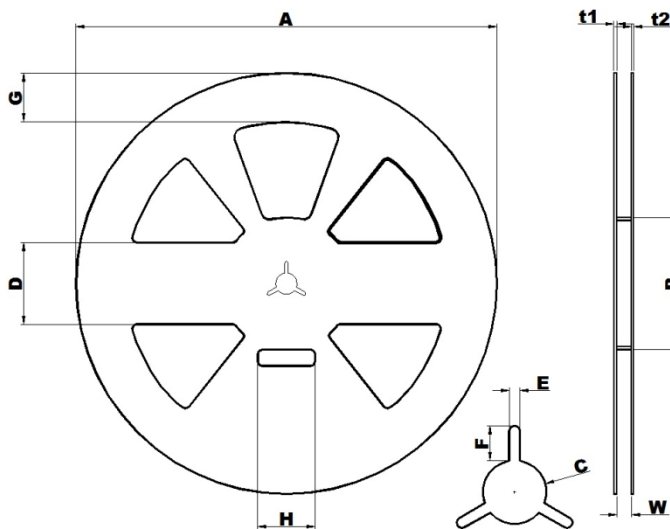
4-1. DIMENSIONS

- Carrier Tape [Unit: mm]



A	B	D0	D1
1.10	1.35	Ø1.50	Ø0.50
+0.05	+0.05	+0.10	+0.05
-0.05	-0.05	-0.00	-0.05
E	F	P0	P1
1.75	3.50	4.00	4.00
+0.10	+0.05	+0.10	+0.10
-0.10	-0.05	-0.10	-0.10
P2	t1	t2	W
2.00	0.25	0.70	8.00
+0.05	+0.02	+0.07	+0.30
-0.05	-0.02	-0.07	-0.10

- Reel [Unit: mm]



A	B	C	D
Ø258.0	Ø81.0	Ø13.0	50.0
+1.0	+1.0	+0.5	+0.8
-0.5	-1.0	-0.5	-0.8
E	F	G	H
2.2	7.0	30.0	35.0
+0.3	+0.5	+0.8	+1.0
-0.3	-0.5	-0.8	-1.0
t1	t2	W	
1.8	1.5	9.0	
+0.5	+0.5	+1.0	
-0.5	-0.5	-0.5	

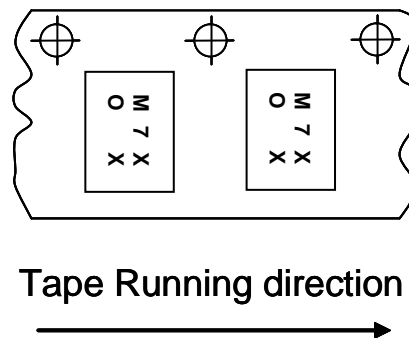
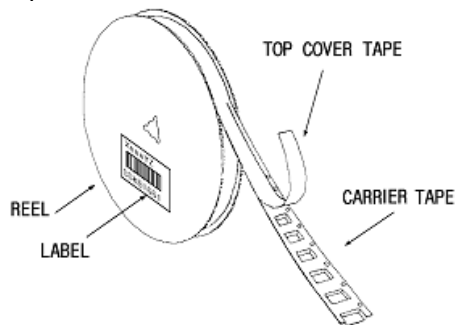
- The product shall be packed properly not to be damaged during transportation and storage.

4-2. REELING QUANTITY

10 inch reel: 10,000 pcs/reel

4-3. TAPING STRUCTURE

The tape shall be wound around the reel in direction shown below.



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Signal Conditioning](#) category:

Click to view products by [WISOL](#) manufacturer:

Other Similar products are found below :

[MAPDCC0001](#) [MAPDCC0004](#) [PD0409J5050S2HF](#) [HHS-109-PIN](#) [AFS14A30-2185.00-T3](#) [AFS14A35-1591.50-T3](#) [DS-323-PIN](#) [DSS-313-PIN](#) [B39321R801H210](#) [1A0220-3](#) [JP510S](#) [LFB212G45SG8C341](#) [LFB322G45SN1A504](#) [LFL182G45TC3B746](#) [SF2159E](#) [30057](#)
[AFS1575.42S4-T](#) [FM-104-PIN](#) [CER0813B](#) [MAPDCC0005](#) [3A325](#) [40287](#) [41180](#) [ATB3225-75032NCT](#) [BD0810N50100AHF](#) [JHS-115-PIN](#)
[DC0710J5005AHF](#) [DC2327J5005AHF](#) [43020](#) [LFB2H2G60BB1C106](#) [LFL15869MTC1B787](#) [X3C19F1-20S](#) [XC3500P-20S](#) [10013-20](#)
[SF2194E](#) [CDBLB455KCAX39-B0](#) [TGL2208-SM, EVAL](#) [RF1353C](#) [051157-0000](#) [PD0922J5050D2HF](#) [1E1305-3](#) [1F1304-3S](#) [1G1304-30](#)
[B0922J7575AHF](#) [10017-3](#) [TP-103-PIN](#) [BD1222J50200AHF](#) [BD1722J50100AHF](#) [2450DP39K5400E](#) [BD0810J50150AHF](#)