

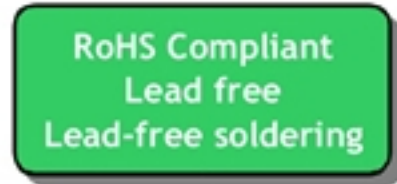
SAW Filter 1592.5 MHz 43MHz BW SMD 3.0X3.0 mm

MODEL NO.:TA0676B

REV. NO.:2

A1. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30 °C to +70 °C
4. Storage Temperature: -55 °C to +90 °C
5. Moisture Sensitivity Level: Level 1 (MSL 1)
6. ESD 50V(MM) 100V(HBM)



Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note	
Center Frequency F_c	MHz	-	1592.5	-	-	
Insertion Loss (1571 ~ 1614 MHz) IL	dB	-	2.6	3.5	-	
Amplitude Ripple (1571 ~ 1614 MHz)	dB	-	1.3	2	-	
Bandwidth @ -2dB	dB	43	49	-	-	
Bandwidth @ -20dB	dB	-	74	120	-	
Bandwidth @ -35dB	dB	-	88	140	-	
Attenuation (Reference level from 0 dB)						
D.C. ~ 1522.5 MHz	dB	28	34	-	-	
1662.5 ~ 3000 MHz	dB	30	38	-	-	

SAW Filter 1592.5 MHz 43MHz BW SMD 3.0X3.0 mm

MODEL NO.:TA0676B

REV. NO.:2

A2. MAXIMUM RATING:

3. Input Power Level: 10 dBm
4. DC Voltage : 3V
3. Operating Temperature: -40 °C to +90 °C
5. Storage Temperature: -55 °C to +90 °C
5. Moisture Sensitivity Level: Level 1 (MSL 1)
7. ESD 50V(MM) 100V(HBM)

RoHS Compliant
Lead free
Lead-free soldering

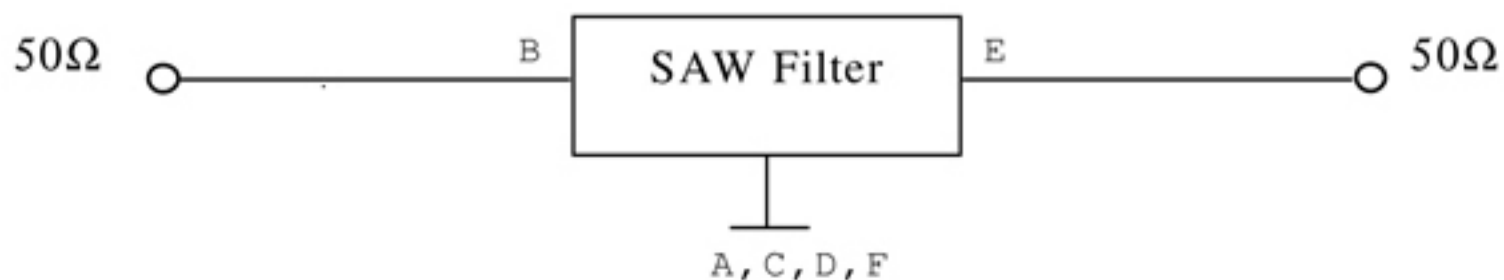
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

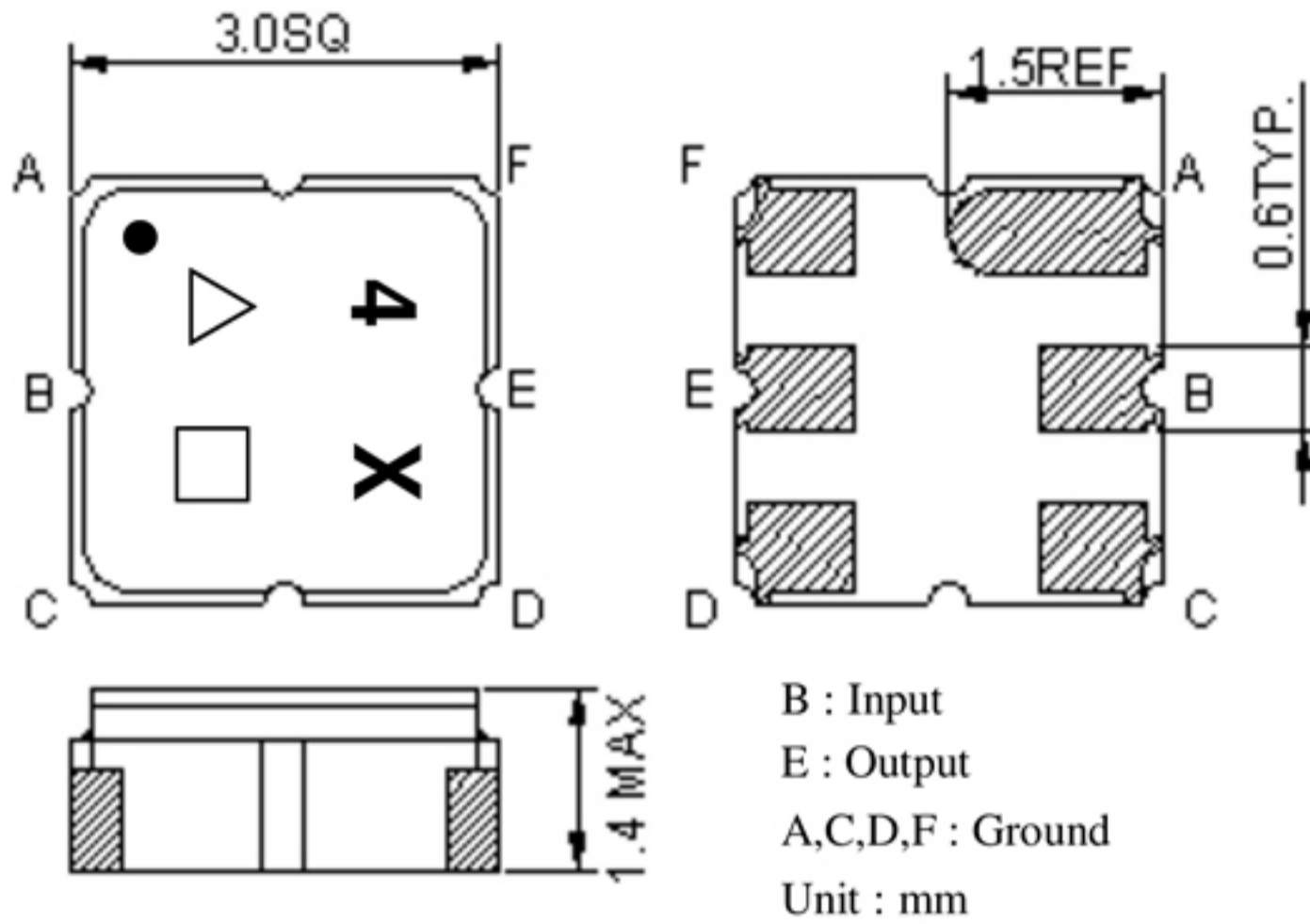
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1592.5	-	-
Insertion Loss (1571 ~ 1614 MHz) IL	dB	-	2.6	4.0	-
Amplitude Ripple (1571 ~ 1614 MHz)	dB	-	1.3	2.5	-
Bandwidth @ -2dB	dB	43	49	-	-
Bandwidth @ -20dB	dB	-	74	120	-
Bandwidth @ -35dB	dB	-	88	140	-
Attenuation (Reference level from 0 dB)					
D.C. ~ 1522.5 MHz	dB	28	34	-	-
1662.5 ~ 3000 MHz	dB	30	38	-	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



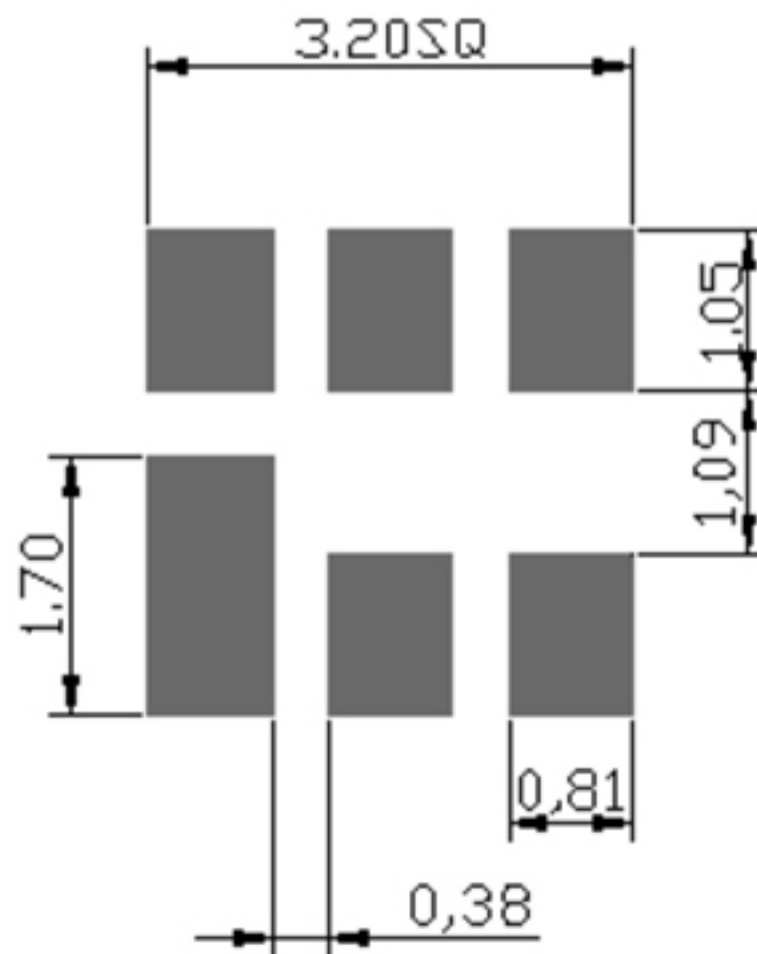
D.OUTLINE DRAWING:



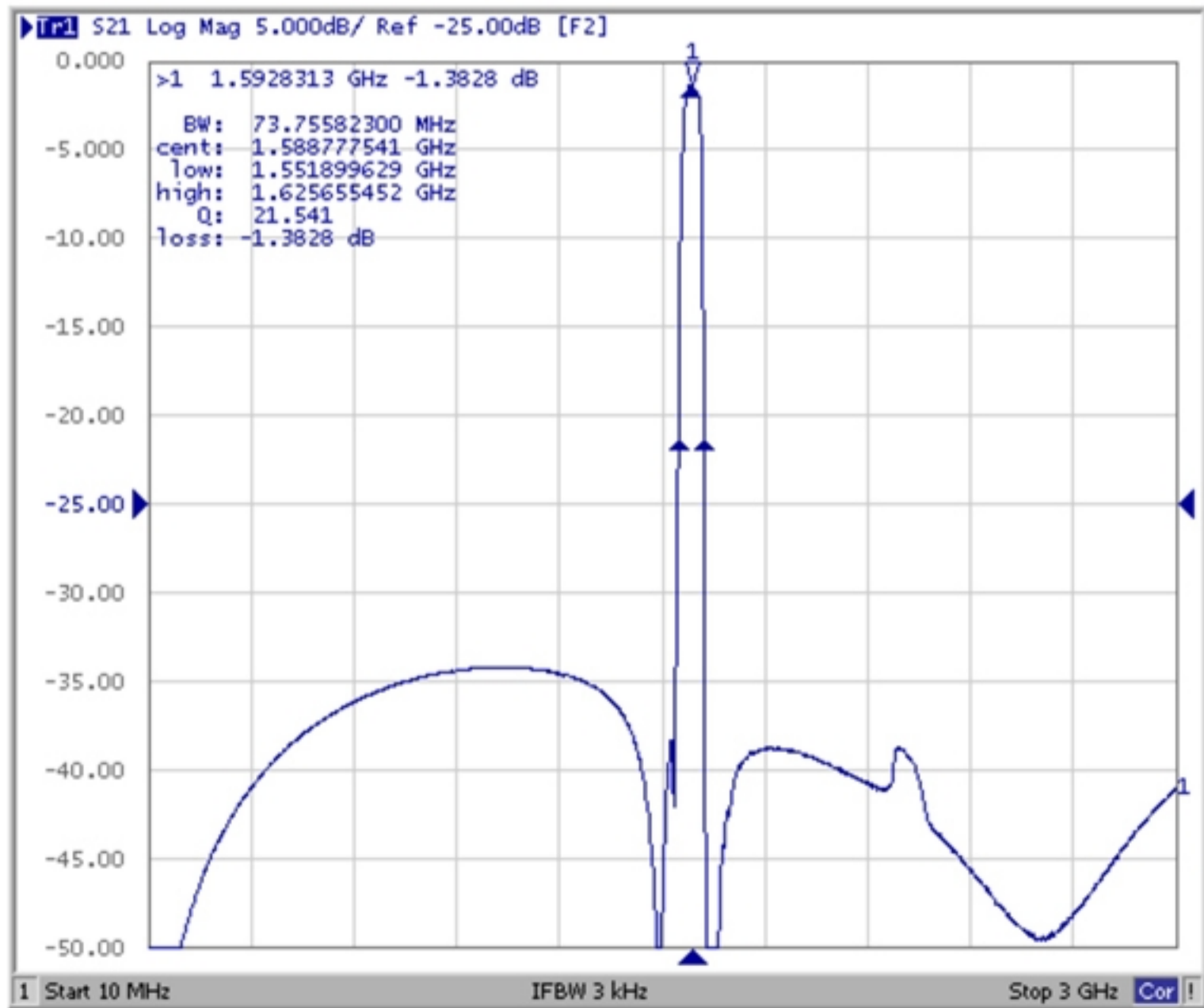
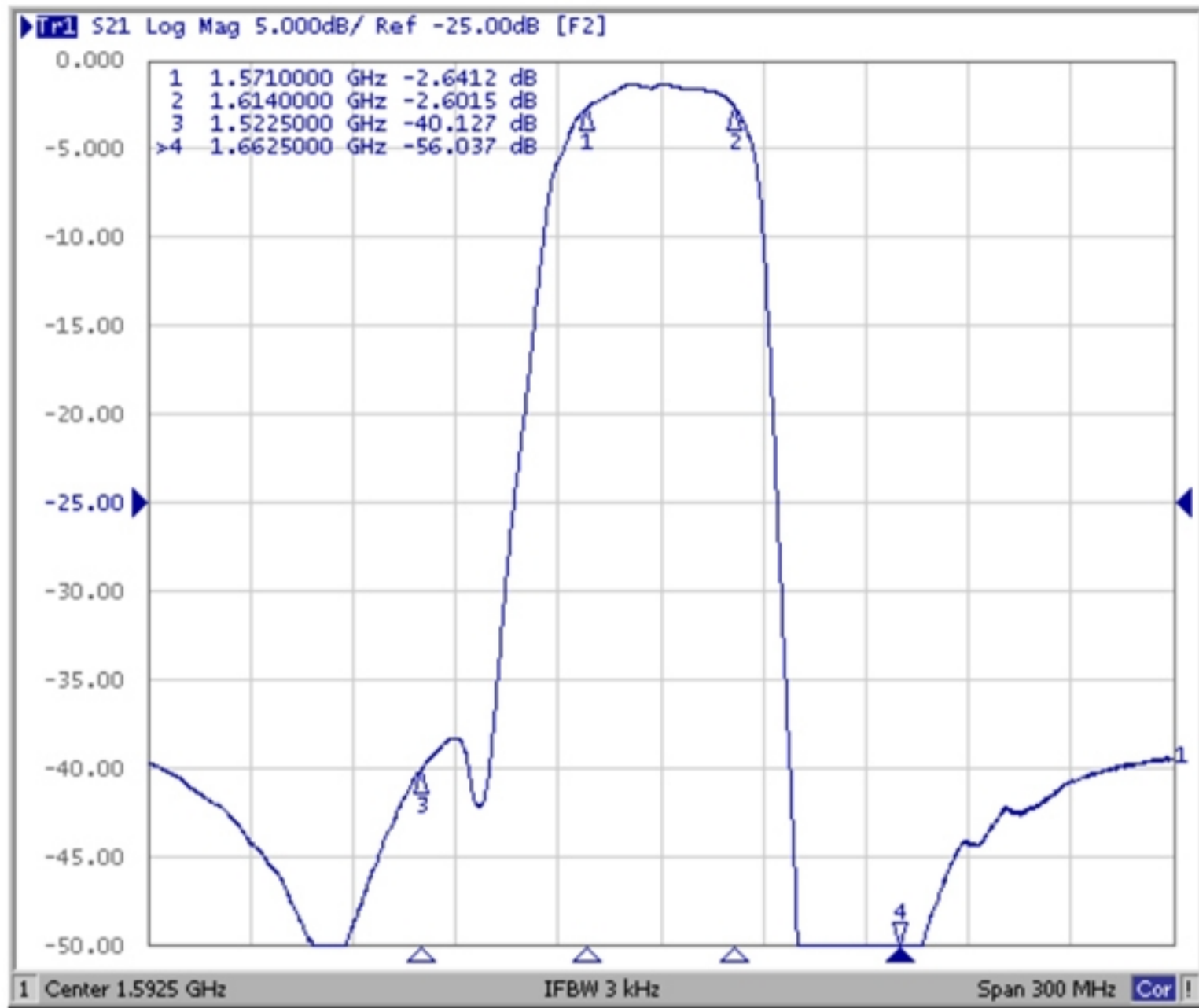
△ : Year Code (2006->6, ..., 2009->9)

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

E. PCB Footprint:

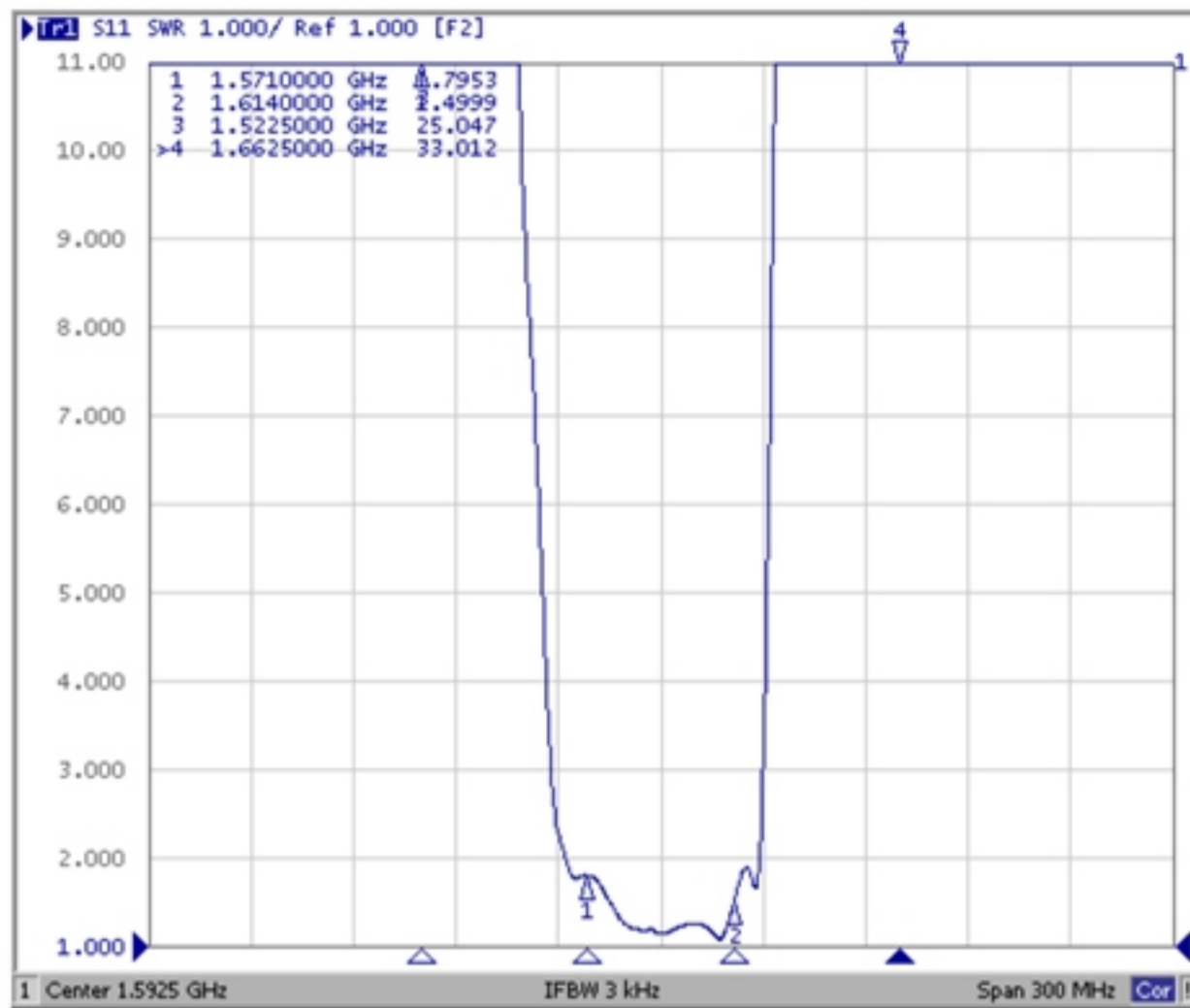


F. Frequency Characteristics :

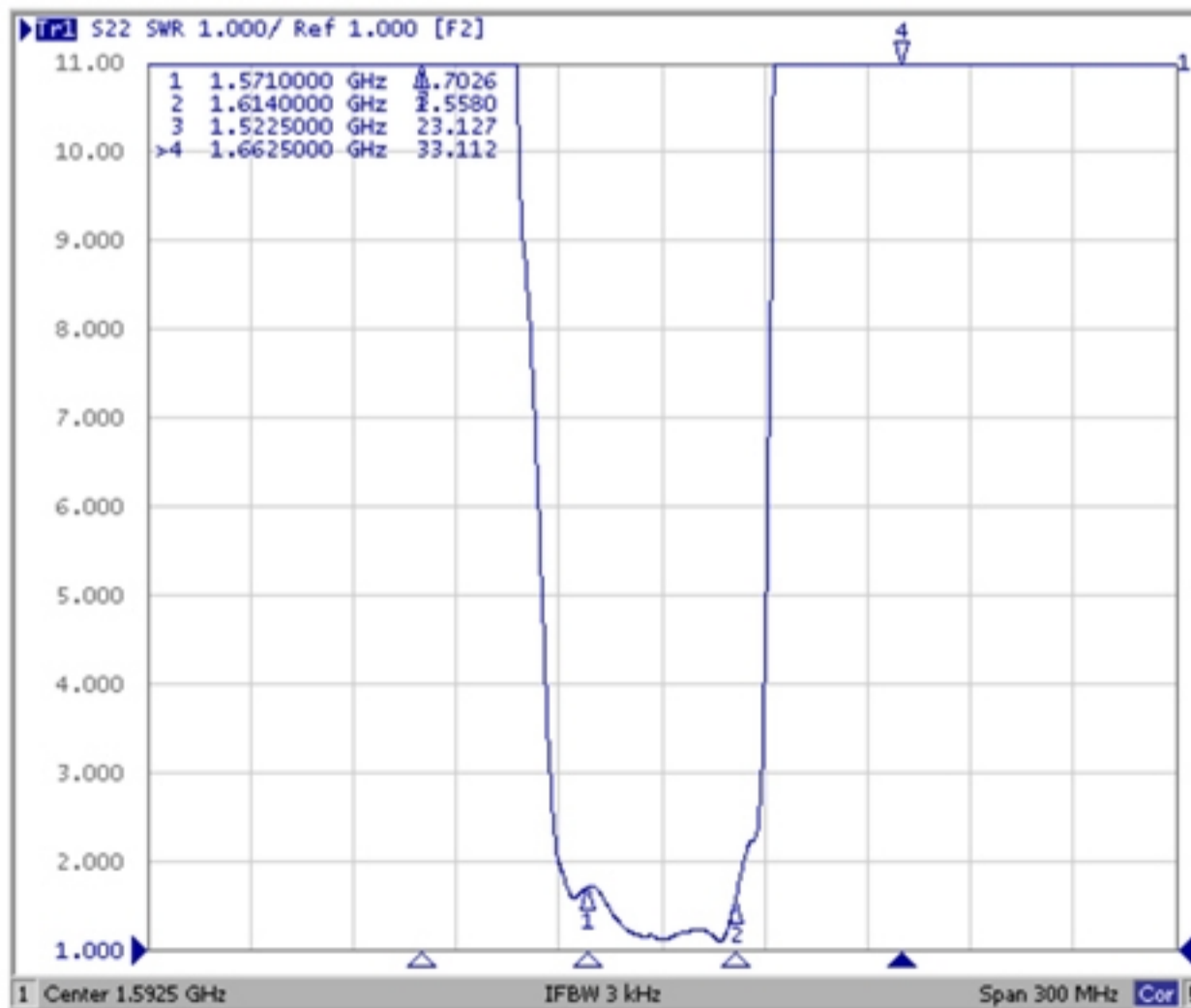


Reflection Functions :

S11



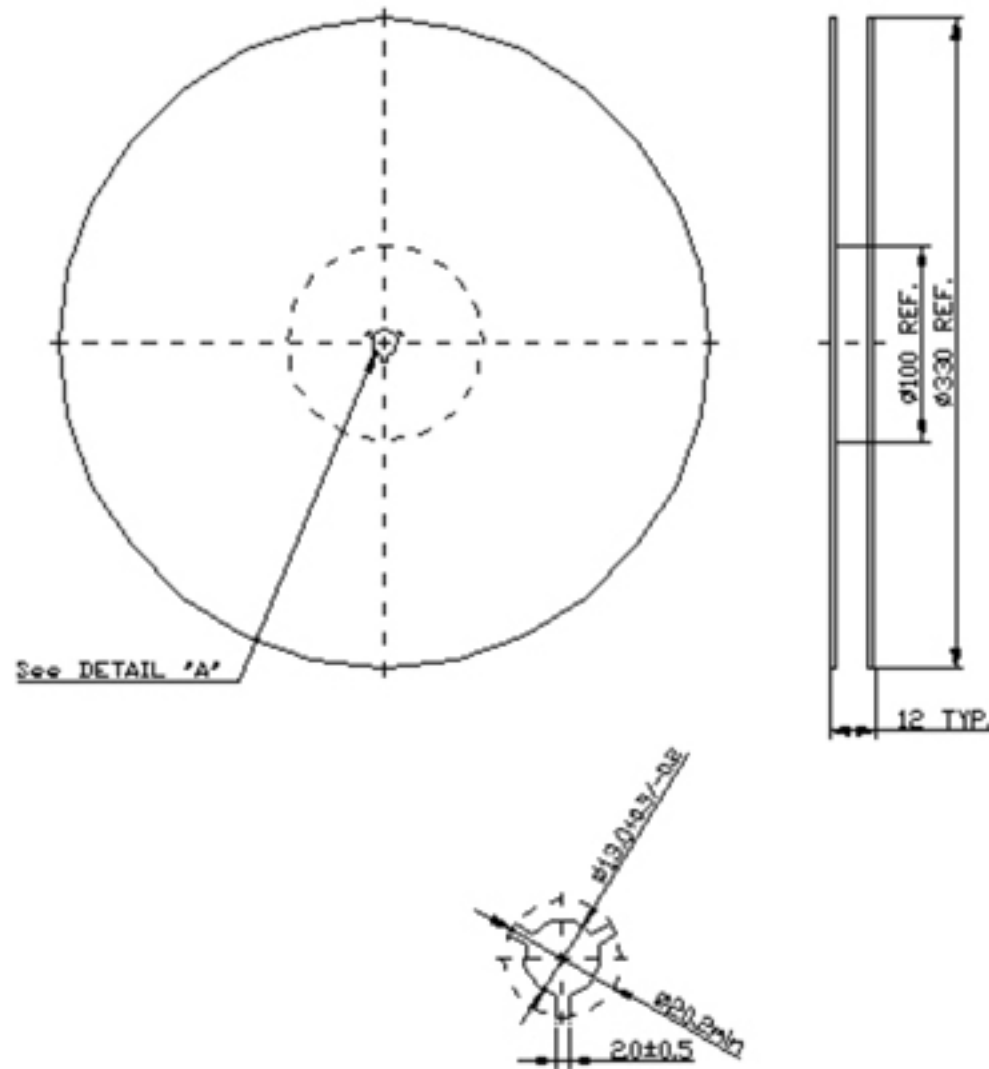
S22



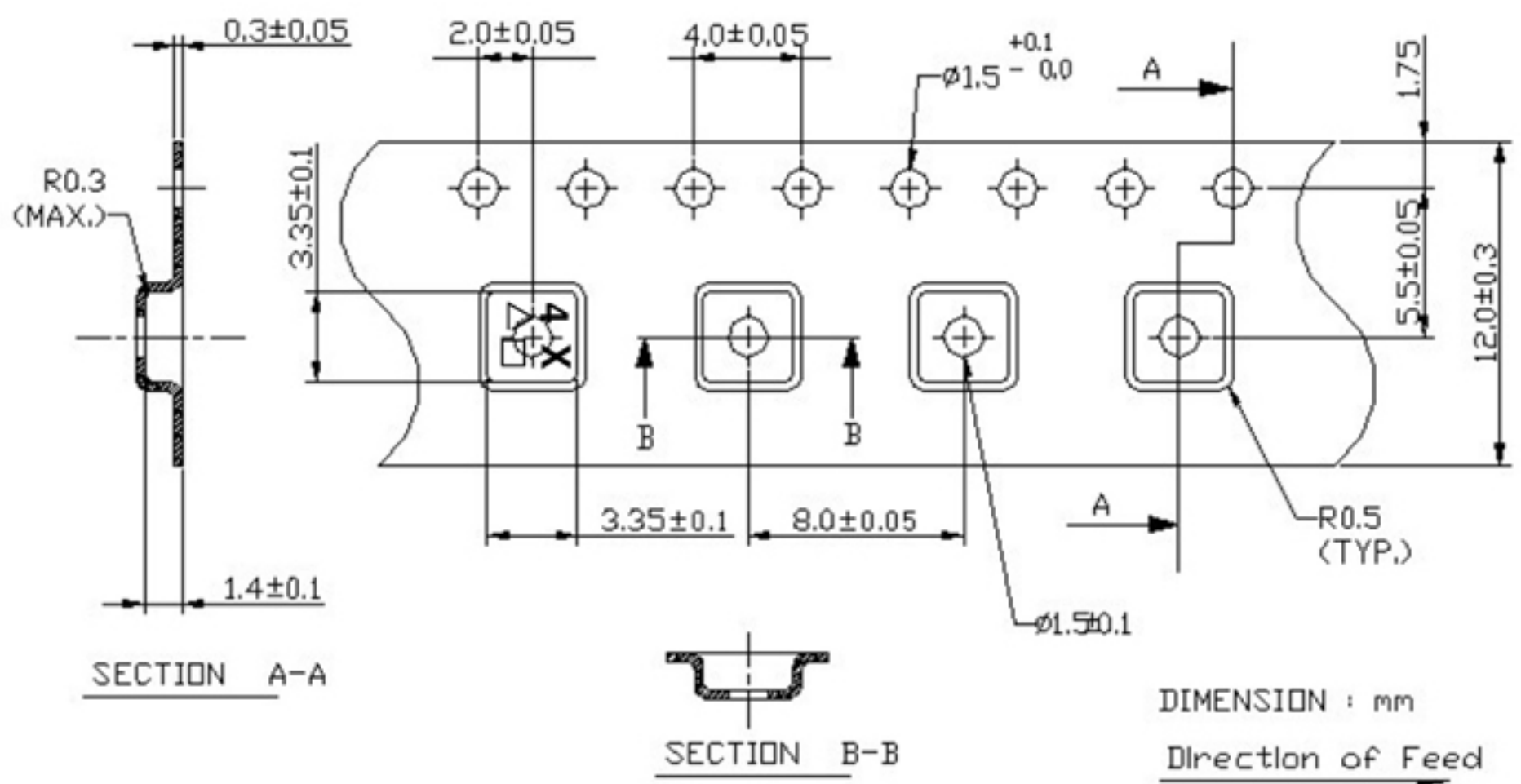
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at $150\sim 180^{\circ}\text{C}$ for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at $245\sim 260^{\circ}\text{C}$ peak (min. 10sec).
4. Time : 2 times.

