

SAW Filter 1030MHz

MODEL NO.:TA2541A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 20 dBm
2. DC Voltage : 6V
3. Operating Temperature: -20 °C to +60 °C
4. Storage Temperature: -40 °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) : $Z_L = 50 \Omega$

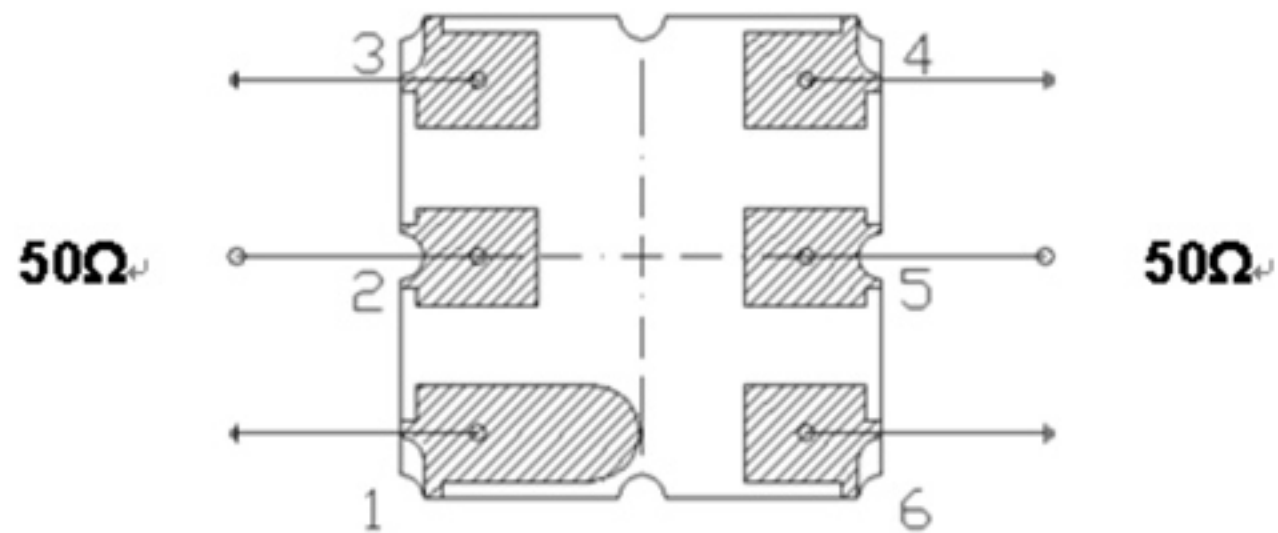
| Item | Unit | Min | Type. | Max |
|---|--------|---------|-------|----------|
| Center Frequency Fc | MHz | - | 1030. | - |
| Insertion Loss (1029~1031 MHz) IL | dB | | 3.0 | 4.0 |
| VSWR (1029~1031 MHz) | | | 1.5 | 2.0 |
| Amplitude ripple (1029~1031 MHz) | dB | | 0.5 | 1.2 |
| Attenuation | | | | |
| 1024.5 ~ 1035.5 MHz | dB | 4 | 5 | 23~ 27°C |
| 1020 ~ 1041 MHz | dB | 25 | 30 | 23~ 27°C |
| 1015 ~ 1045 MHz | dB | 35 | 40 | 23~ 27°C |
| 1005 ~ 1055 MHz | dB | 45 | 50 | |
| 990 ~ 1070 MHz | dB | 50 | 55 | |
| Temperature coefficient | ppm/°C | -36 | | |
| Package size | mm | SMD 3x3 | | |

C... TEST CIRCUIT:

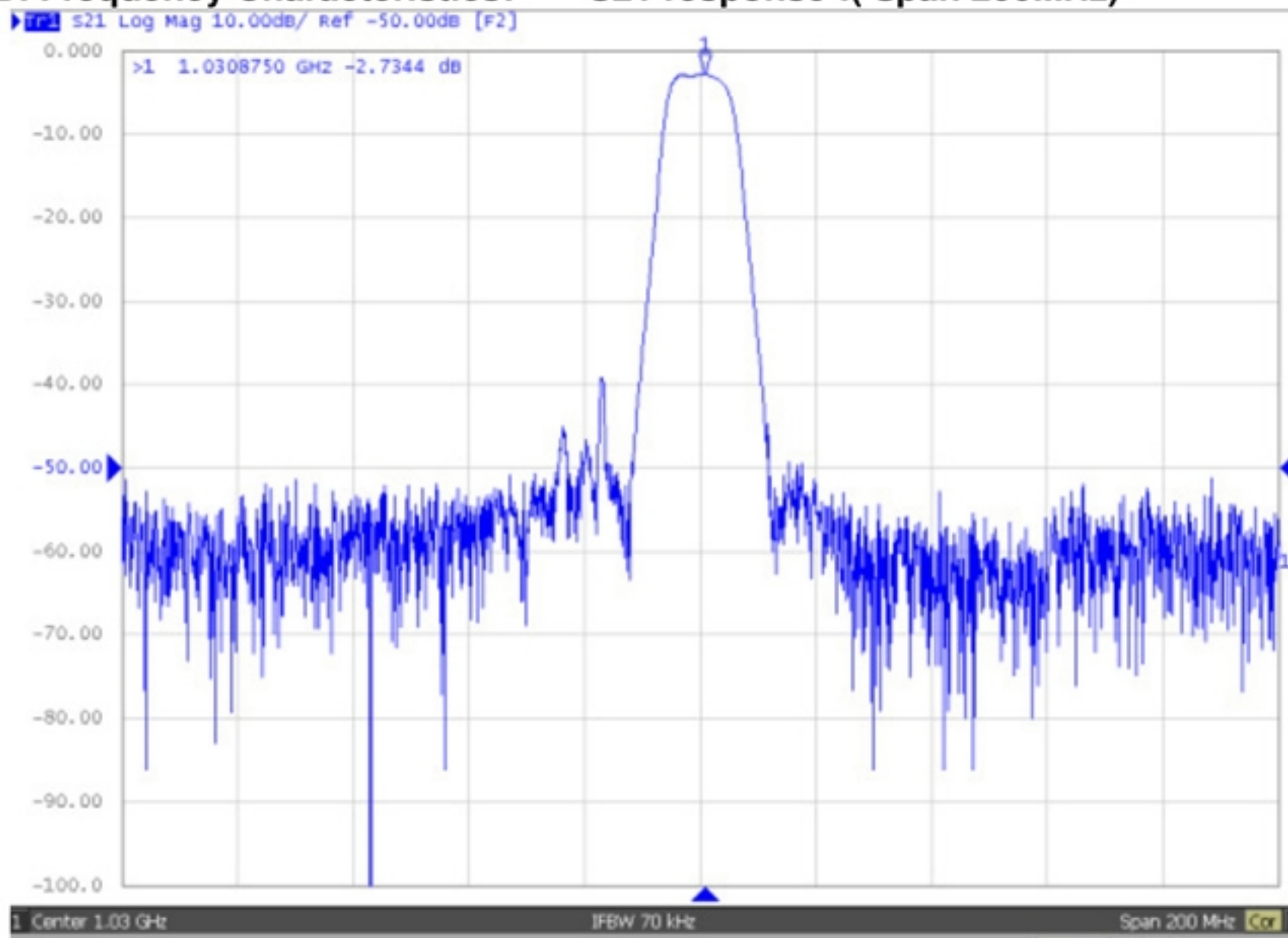
(2): Unbalance Port↵

(5): Unbalance Port↵

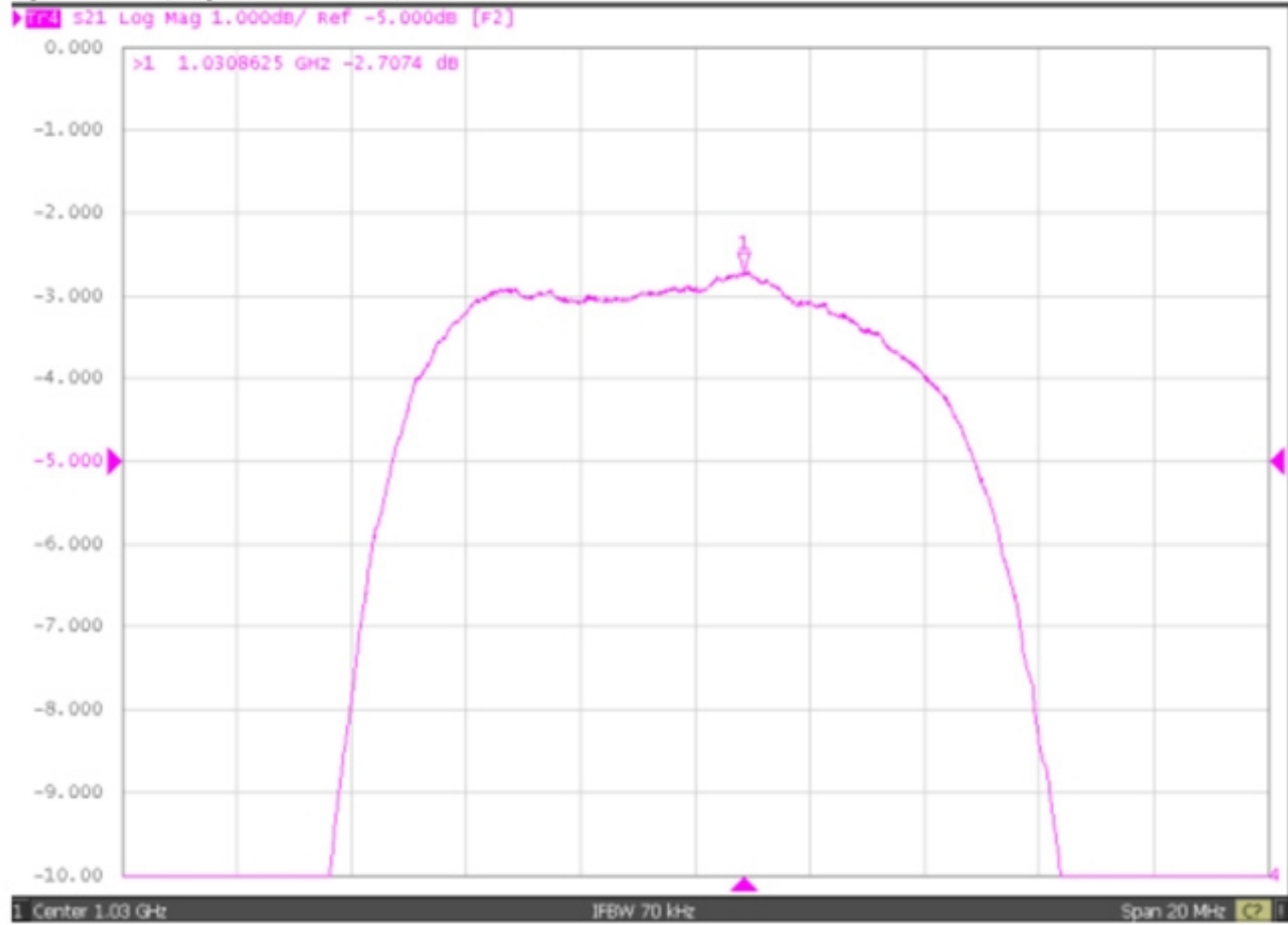
Others: Ground↵



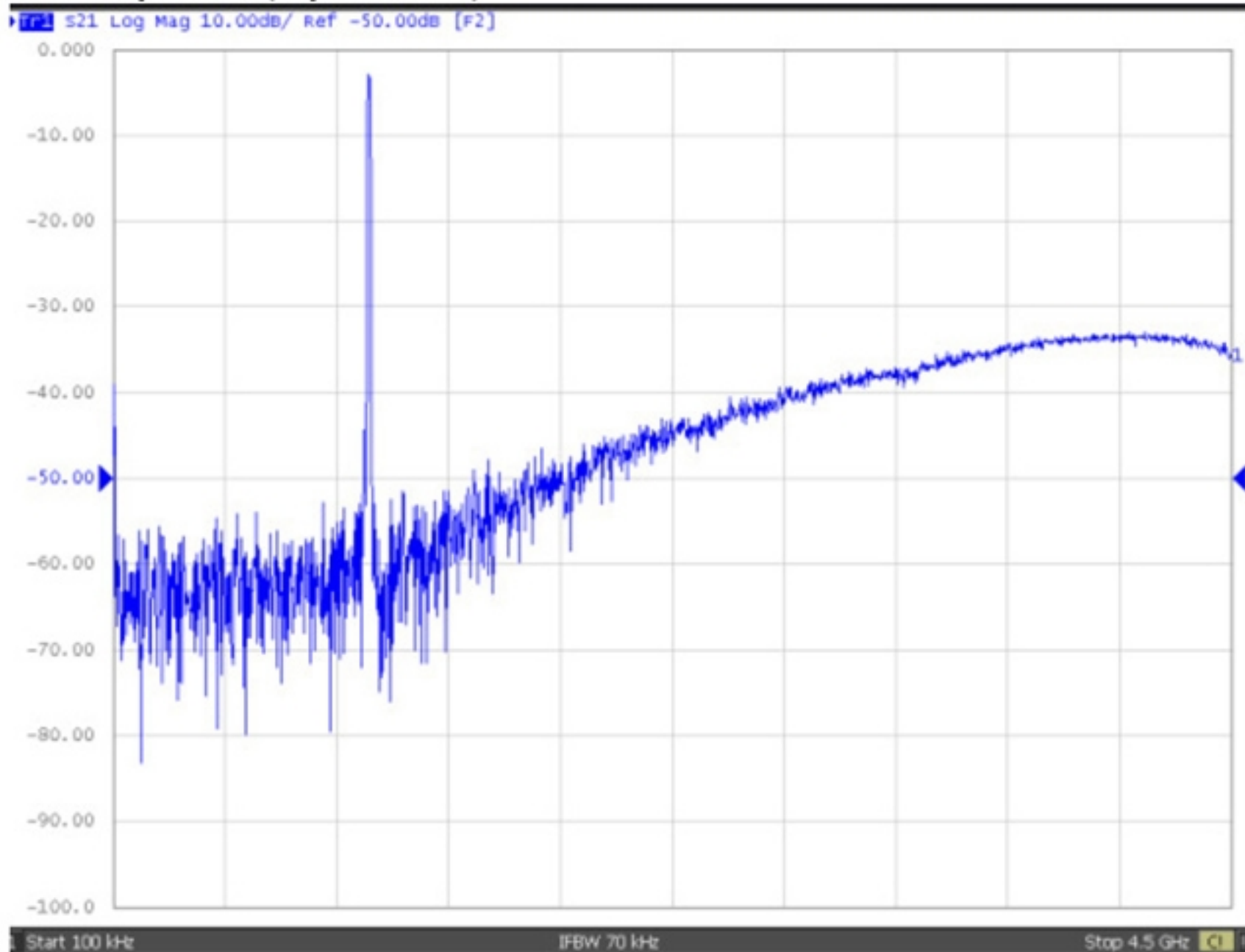
D. Frequency Characteristics: S21 response :(Span 200MHz)



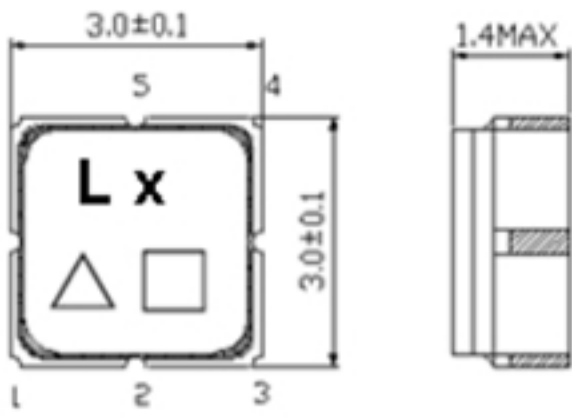
S21 response :(Span 20MHz)



S21 response :(Span 3GHz)

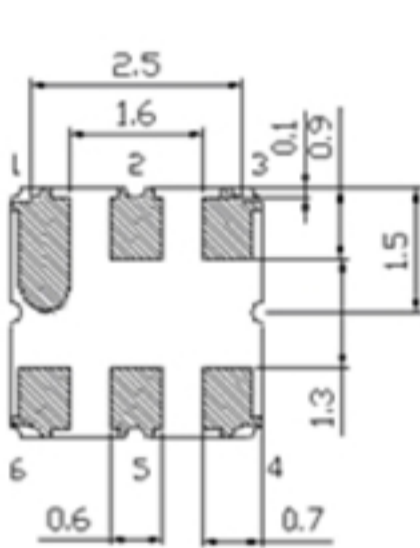


E. OUTLINE DRAWING:



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 |

Data code : See the table

| | | | | | | | | |
|------|----|----|-----|----|----|----|-----|----|
| WK | 01 | 02 | ... | 26 | 27 | 28 | ... | 52 |
| Code | A | B | ... | Z | a | b | ... | z |

△ Year code : See the table

| | | | | | | | |
|------|------|------|------|------|-----|------|------|
| Year | 2008 | 2009 | 2010 | 2011 | ... | 2019 | 2020 |
| Code | 8 | 9 | 0 | 1 | ... | 9 | 0 |

F. PACKING:

1. REEL DIMENSION

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

