



Customer : RFMW LTD



## Dielectric Filter Specification

|            |                             |
|------------|-----------------------------|
| Unit Name. | Dielectric Resonator Filter |
| Parts Name | MBP2.53R3400S200C           |
| Date       | December 14, 2006           |

|            |            |             |
|------------|------------|-------------|
| Written by | Checked by | Approved by |
| T.W.Kim    |            |             |

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### 1. Parts Name

**MBP2.53R3400S200C**

### 2. Electrical Specifications.

| Item                    | Specifications      |                     |
|-------------------------|---------------------|---------------------|
|                         | TYPICAL PERFORMANCE | MIN/MAX PERFORMANCE |
| Center Frequency (= Fc) |                     | 3400 MHz            |
| Pass Bandwidth (= BW)   | 200 MHz             | Fc +/- 100 MHz      |
| Insertion Loss @ BW     | 1.5 dB Typ.         | 2.0 dB max          |
| Ripple                  | 0.5 dB Typ.         | 1.0 dB max          |

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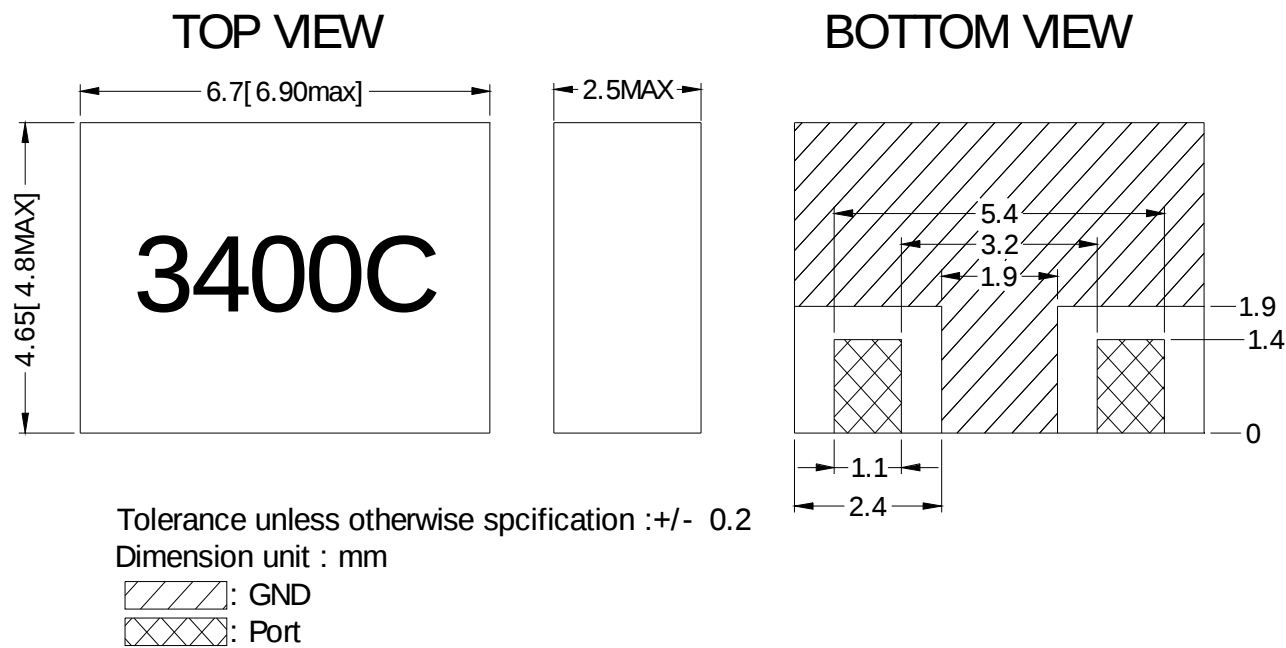
RFMW, Inc

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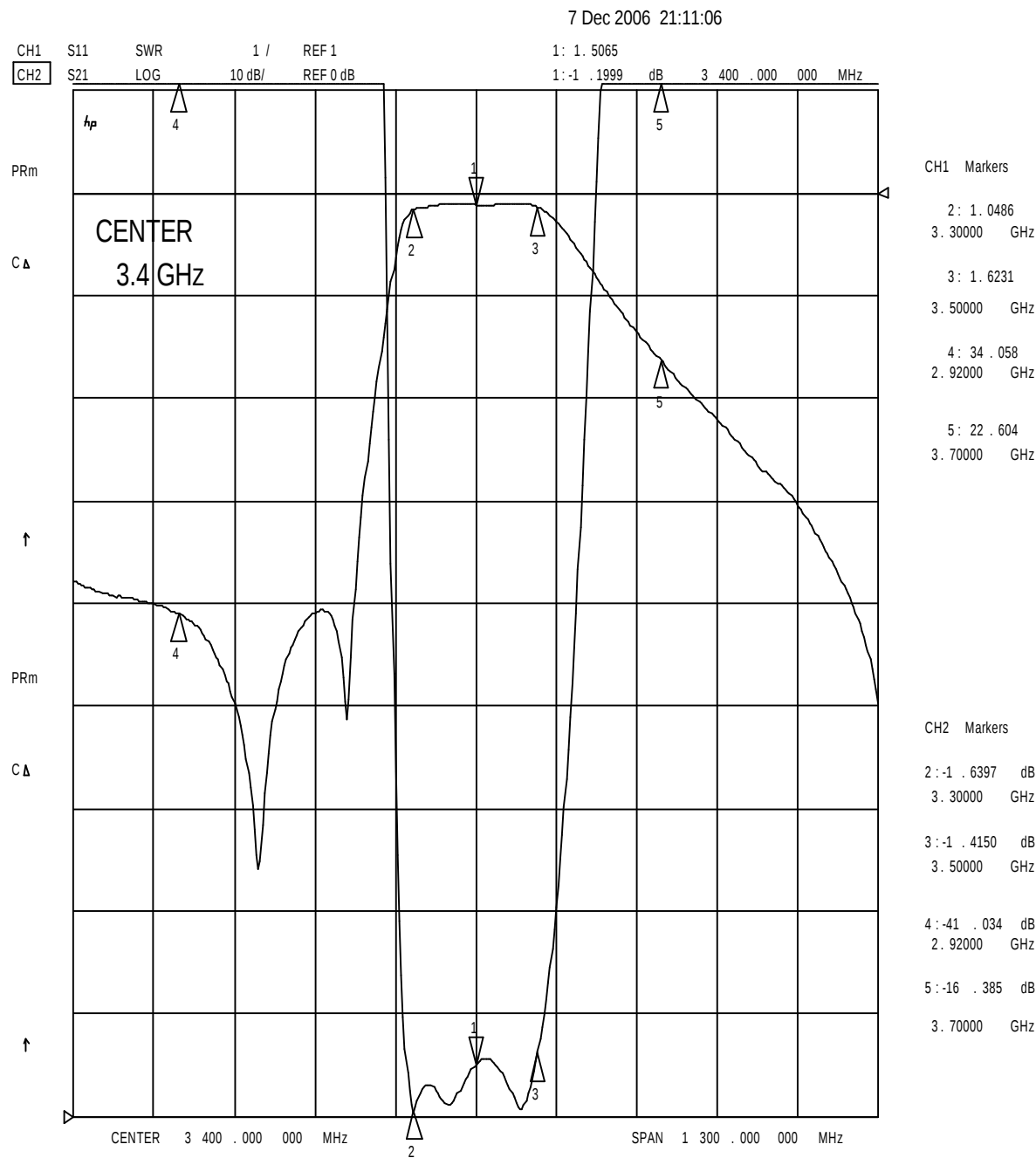
|                      |                                                |                                                |
|----------------------|------------------------------------------------|------------------------------------------------|
| VSWR @ BW            | 1.6 Typ.                                       | 2.0 max.                                       |
| In, Output Impedance | 50 Ω                                           |                                                |
| Input Power          | 1 W max.                                       |                                                |
| Attenuation          | 40 dB min. @ 2920 MHz<br>16 dB min. @ 3700 MHz | 35 dB min. @ 2920 MHz<br>13 dB min. @ 3700 MHz |

3. Appearance and structure

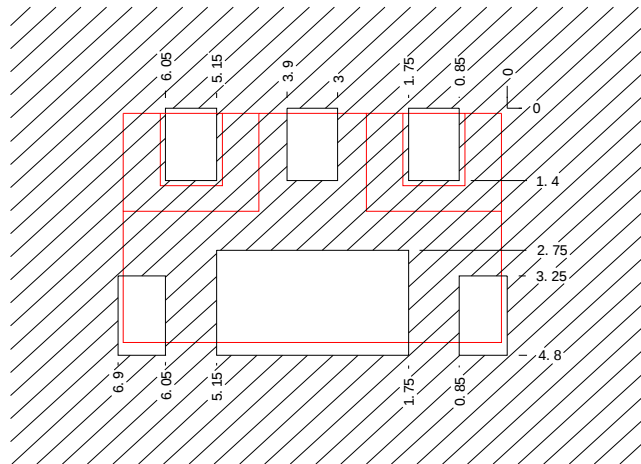


4. Environment Specifications.
- 3.1 Operation Temperature Range : -30°C ~ +85°C
  - 3.2 Storage Temperature Range: -40°C ~ +85°C

5. Data



6. Recommend footprint

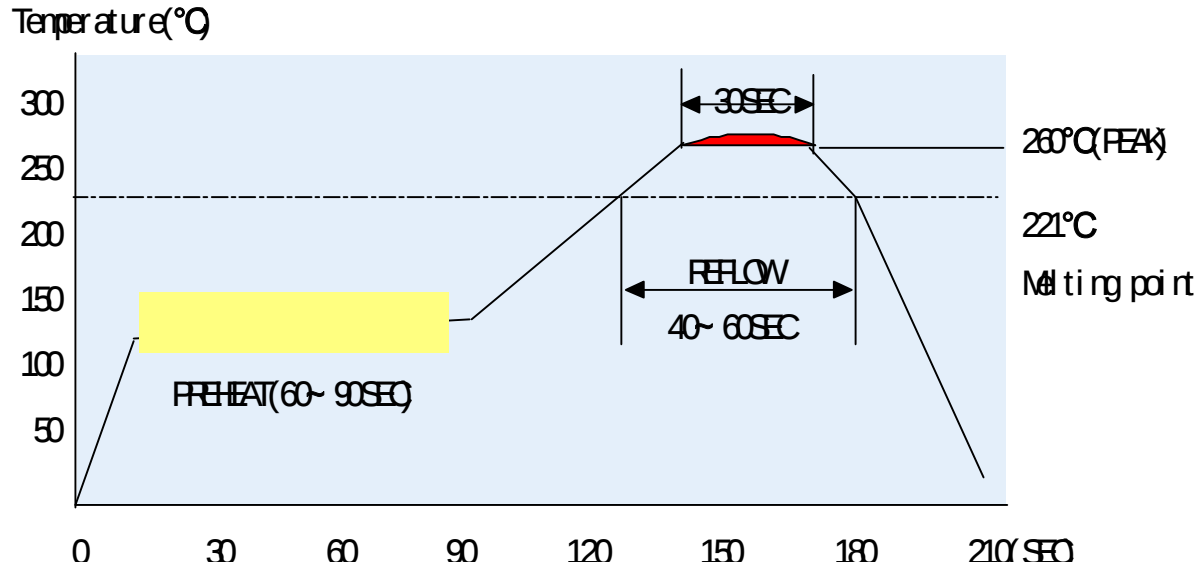


Tolerance Unless Otherwise Specified  $\pm 0.2$

Dimension Unit : mm

-  Exposed Conductor
-  Solder resist over conductor
-  Filter outline

## 7.2 Reflow Soldering Condition (Tin/Silver)



Test solder cream: HSP 350  
Solder alloy: Sn 96.5:Ag 3.5 %

## 8. PACKAGING METHOD: Tray, or T/R

## 9. Others

In case of any problem regarding this specification, both customer and SANGSHINELECOM discuss and solve it.

10. Revision

| Revision No. | Originator | Description of Change | Date of Changes |
|--------------|------------|-----------------------|-----------------|
| Ver-00       | T.W.Kim    | Issued specification  | 2006-12-14      |
|              |            |                       |                 |
|              |            |                       |                 |