



*Pb Free part

| | | | |
|-----------------|--------------------------------------|-------------------------------|---------------|
| Customer Name | Standard | FUJITSU MEDIA DEVICES LIMITED | |
| System | GSM850/WCDMA Rx (50/50ohm Unbalance) | DATE | Oct. 01, 2007 |
| FMD Part Number | FAR-F5KA-881M50-D4DB | Version 4.2 g | |

Table 1. Electrical specifications

| Passband: 869 ~ 894 MHz | | | | | | |
|-------------------------|-----------------|-------------------------|------|------|------|--------|
| Item | Condition | Specification | | | | Remark |
| | | Min. | Typ. | Max. | Unit | |
| Insertion Loss | 869 - 894 MHz | - | 1.7 | 2.3 | dB | |
| Ripple | 869 - 894 MHz | - | 0.5 | 1.2 | dB | |
| Absolute Attenuation | DC - 824 MHz | 40 | 59 | - | dB | |
| | 824 - 849 MHz | 40 | 56 | - | dB | |
| | 914 - 970 MHz | 25 | 35 | - | dB | |
| | 970 - 1049 MHz | 38 | 57 | - | dB | |
| | 1049 - 2000 MHz | 40 | 57 | - | dB | |
| | 2000 - 3000 MHz | 30 | 45 | - | dB | |
| | 3000 - 6000 MHz | 10 | 18 | - | dB | |
| VSWR(Input) | 869 - 894 MHz | - | 1.7 | 2.1 | | |
| VSWR(Output) | 869 - 894 MHz | - | 1.7 | 2.1 | | |
| Input Power | 824 - 849 MHz | - | - | 17 | dBm | |
| Input Impedance | | 50 | | | Ohm | |
| Output Impedance | | 50 | | | Ohm | |
| Device Size | - | 1.4typ.x1.0typ.x0.5max. | | | °C | |
| Operating temp. | - | -30 ~ +85 | | | °C | |

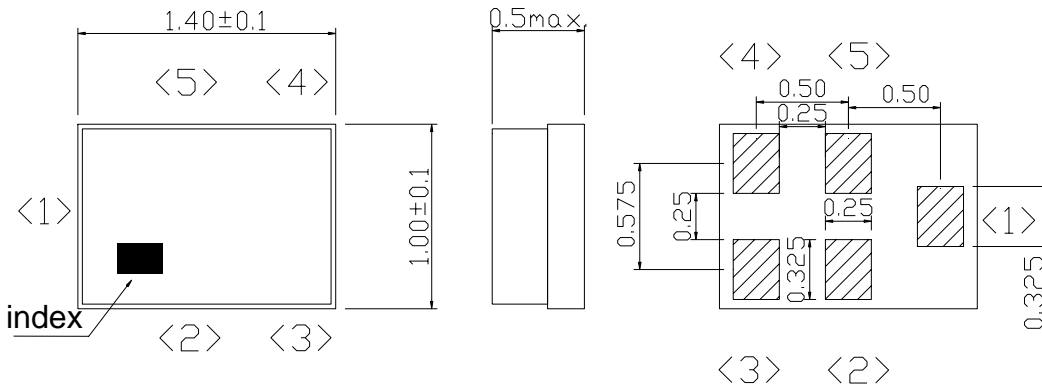


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Dimension

Device size: 1.4mmtyp. x 1.0mmtyp. x 0.5max.

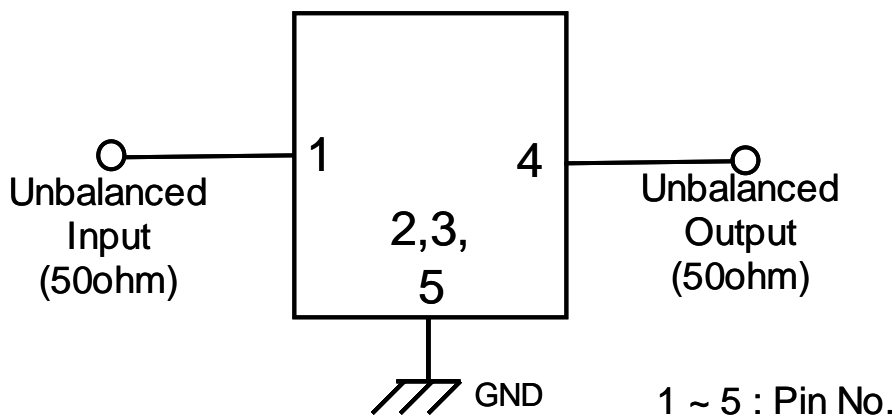


Unit: mm

Pin Configuration

| Pin No. | Symbol | Function |
|---------|--------|----------------|
| 1 | IN | Unbalanced pin |
| 2 | GND | Ground |
| 3 | GND | Ground |
| 4 | OUT | Unbalanced pin |
| 5 | GND | Ground |

Evaluation Circuit





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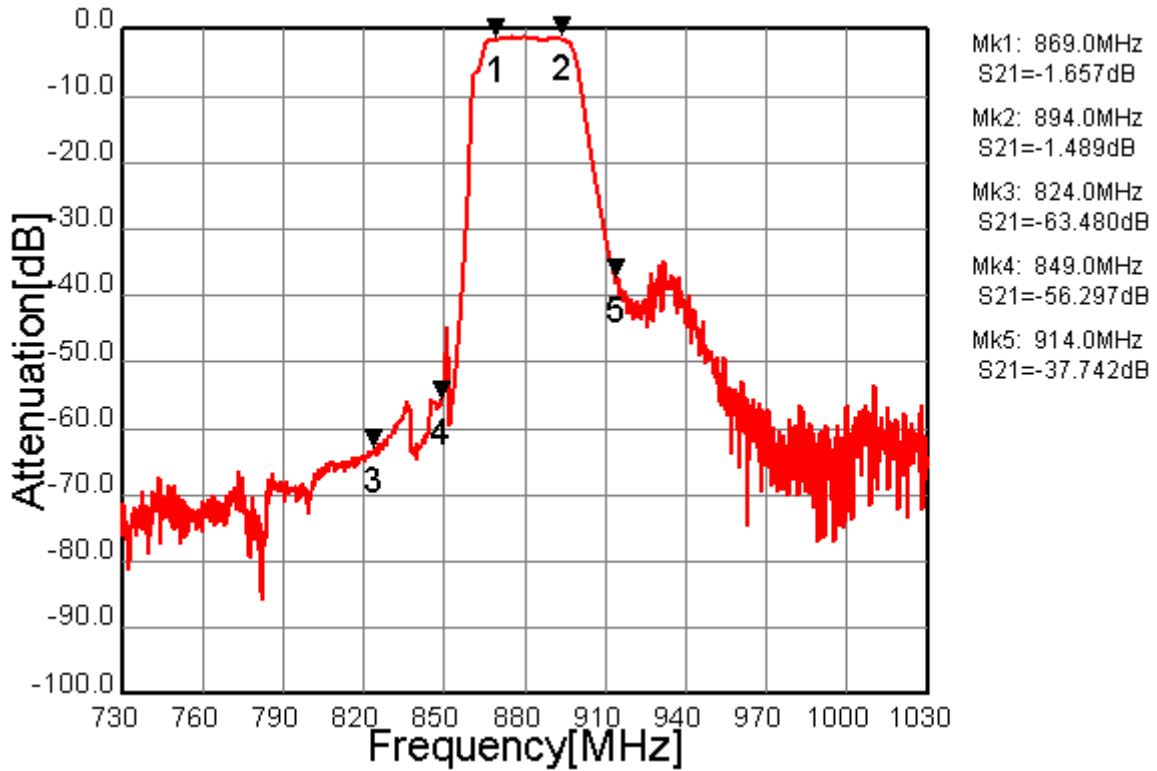


Fig.1 Pass-band Characteristics

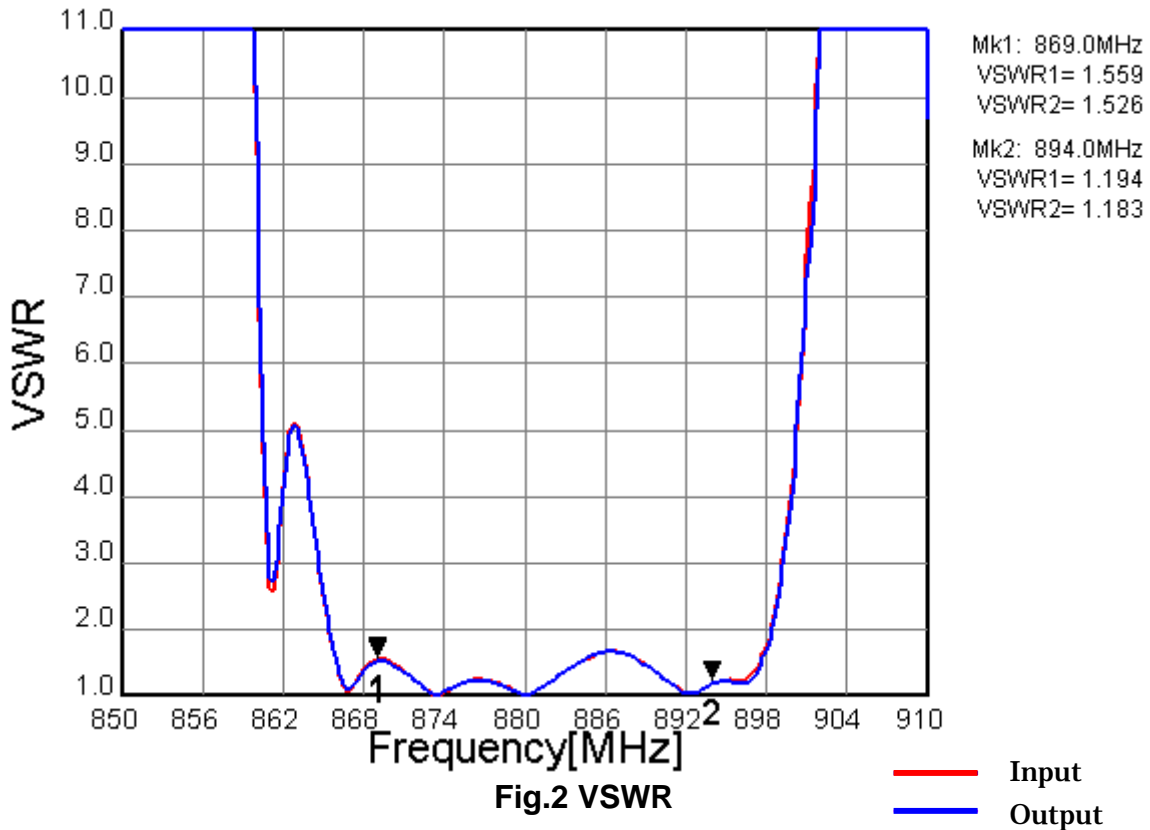


Fig.2 VSWR

— Input
— Output



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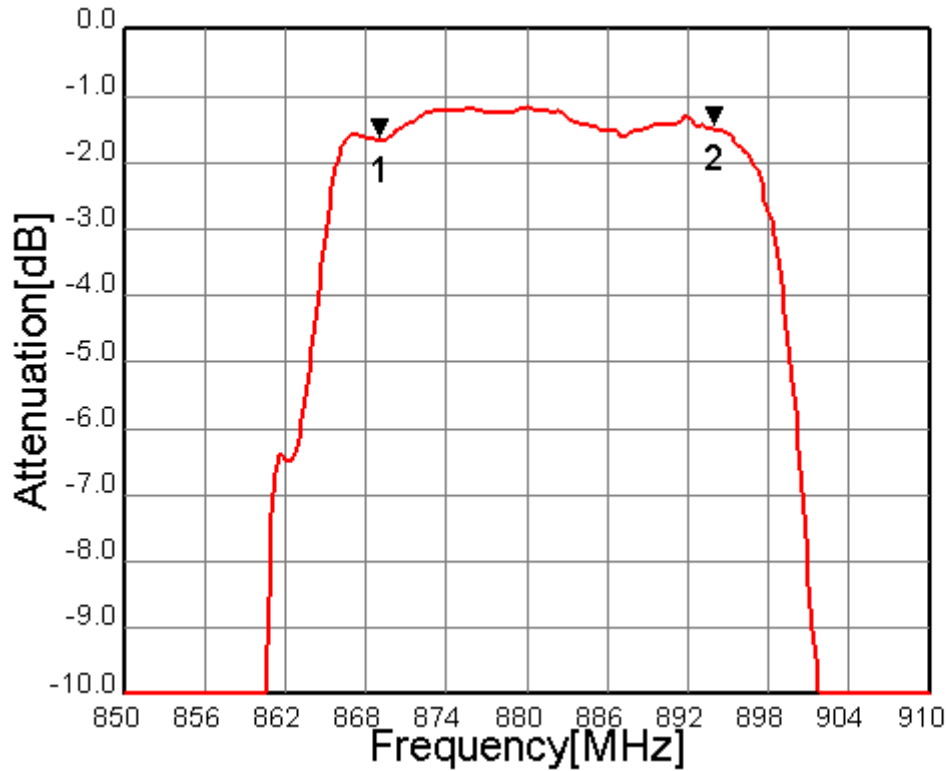


Fig.3 In-band Characteristics

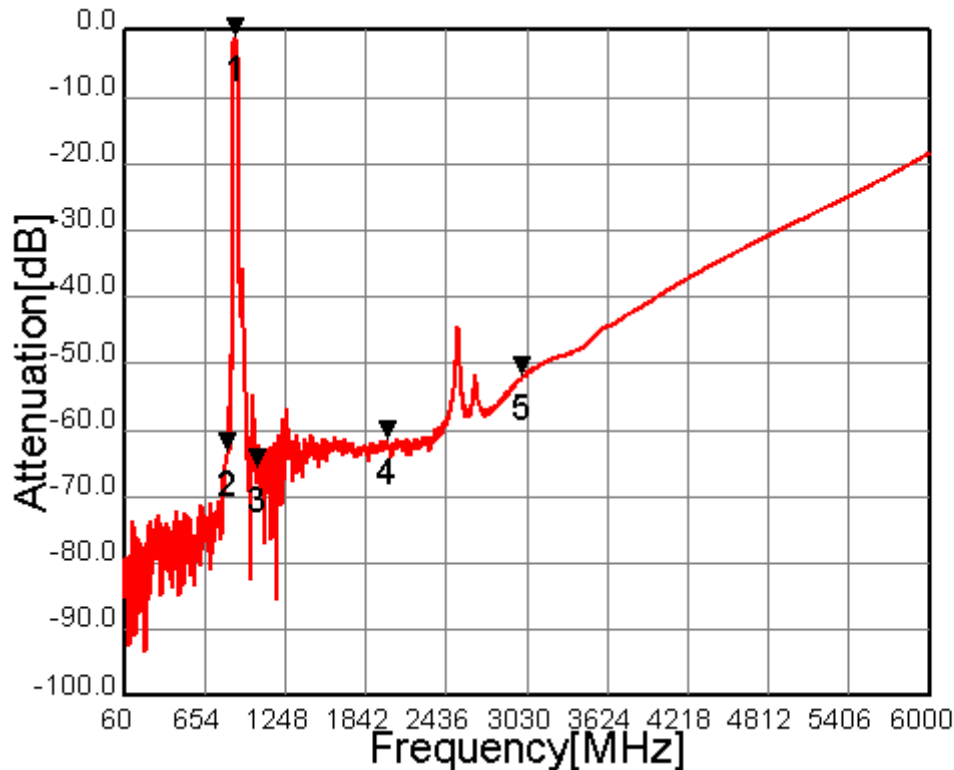


Fig.4 Wide-band Characteristics



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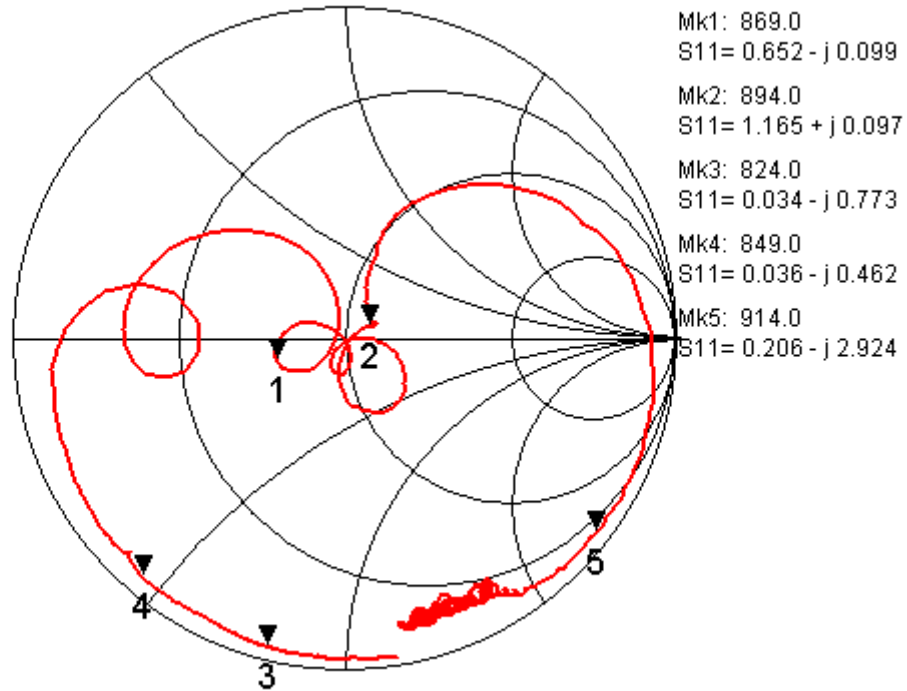


Fig.5 Input Impedance

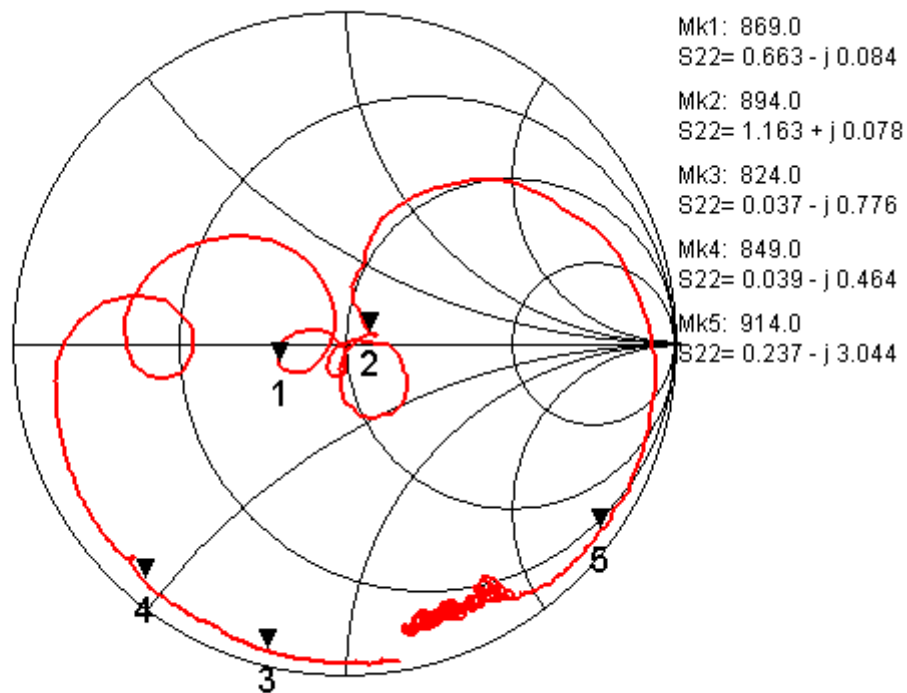


Fig.6 Output Impedance