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|-----------------|-------------------------------|-------------------------------|--------------|
| Customer Name | Standard Specification | FUJITSU MEDIA DEVICES LIMITED | |
| System | AMPS-Tx | DATE | Oct.31, 2002 |
| FMD Part Number | FAR-F5CP-836M50-D22F | Version 1.0 | |

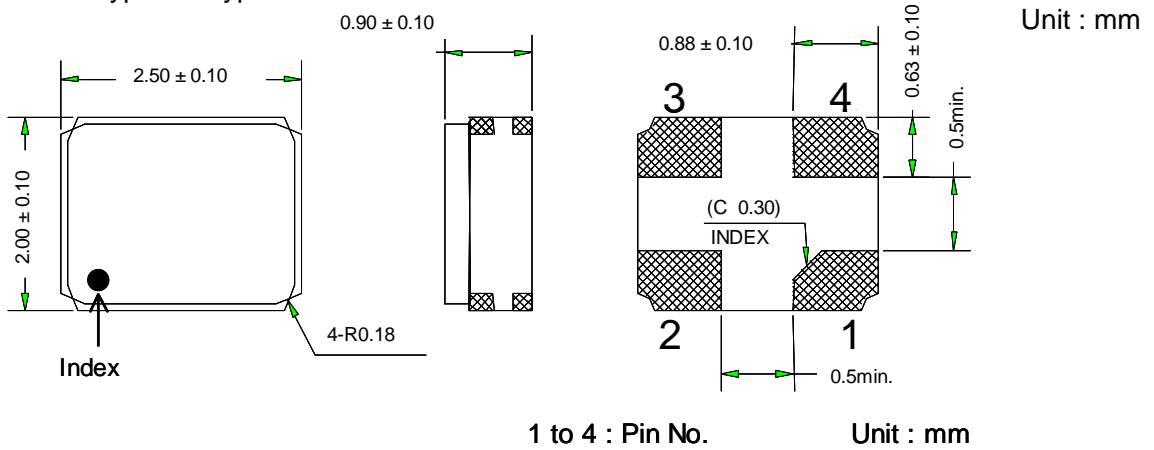
Table 1 Electrical Specification

| Passband : 824 ~ 849 MHz | | | | | | |
|--------------------------|-----------------|-----------------------------|------|------|------|--------|
| Item | Condition (MHz) | Specification | | | Unit | Remark |
| | | Min. | Typ. | Max. | | |
| Insertion Loss | 824 ~ 849 | - | 2.3 | 2.9 | dB | |
| Ripple | 824 ~ 849 | - | 1.0 | 1.6 | dB | |
| Absolute attenuation | DC ~ 800 | 35 | 41 | - | dB | |
| | 869 ~ 894 | 44 | 48 | - | dB | |
| | 894 ~ 1050 | 40 | 45 | - | dB | |
| | 1050 ~ 1210 | 35 | 42 | - | dB | |
| | 1570 ~ 1580 | 32 | 37 | - | dB | |
| | 1580 ~ 2000 | 27 | 33 | - | dB | |
| VSWR | 824 ~ 849 | - | 1.7 | 2.1 | - | |
| Input/Output Impedance | Unbalanced | 50 / 50 | | | ohm | |
| Operating temperature | | -30 ~ +85 | | | °C | |
| Device size | | 2.5typ. x 2.0typ. x 1.0max. | | | mm | |

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● **Dimensions**

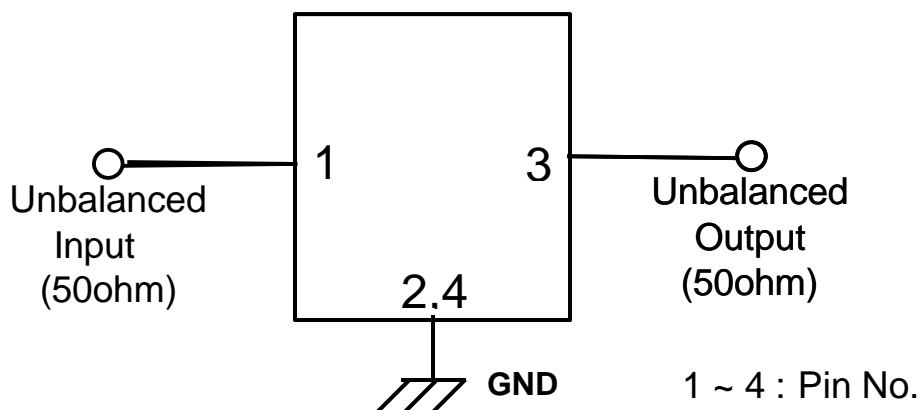
Device size: 2.5typ. x 2.0typ. x 1.0max.



● **Pin Configuration**

| Pin No. | Symbol | Function |
|---------|--------|----------|
| 1 | IN | Input |
| 2 | GND | Ground |
| 3 | OUT | Output |
| 4 | GND | Ground |

● **Evaluation Circuit**



| | | | |
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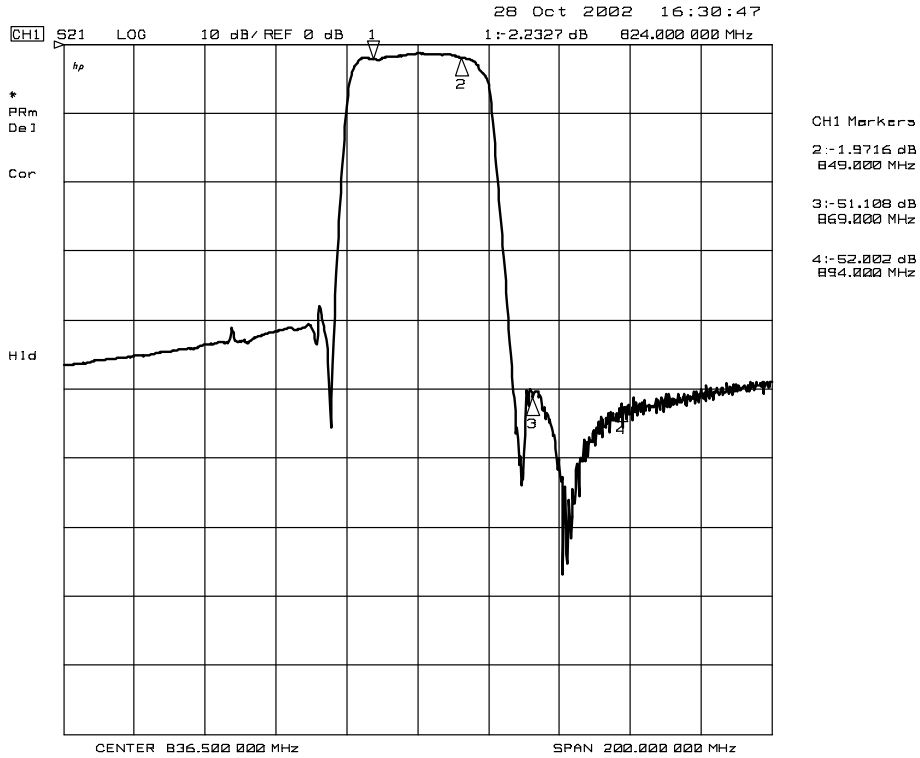


Fig.1 Pass-band Characteristics

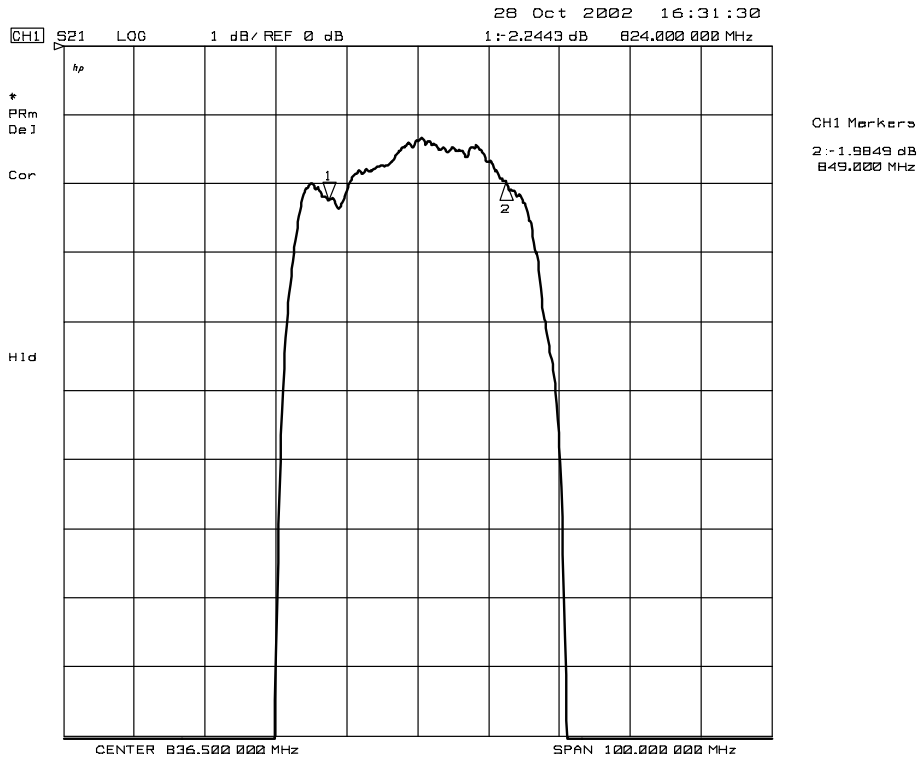


Fig.2 In-band Characteristics

| | | | |
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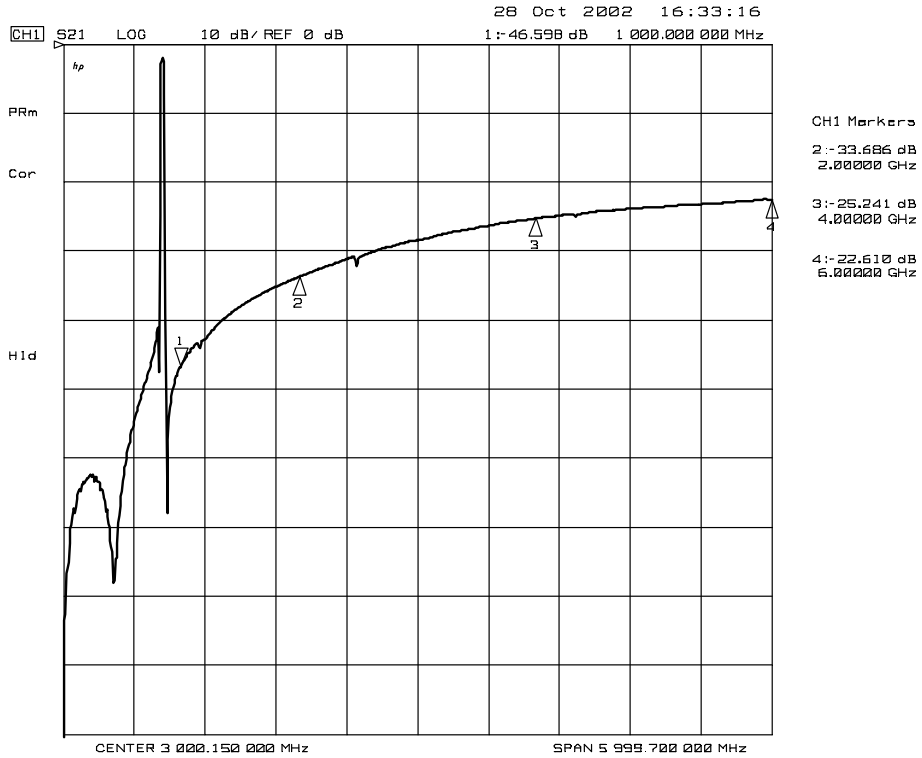


Fig.3 Wide-band Characteristics

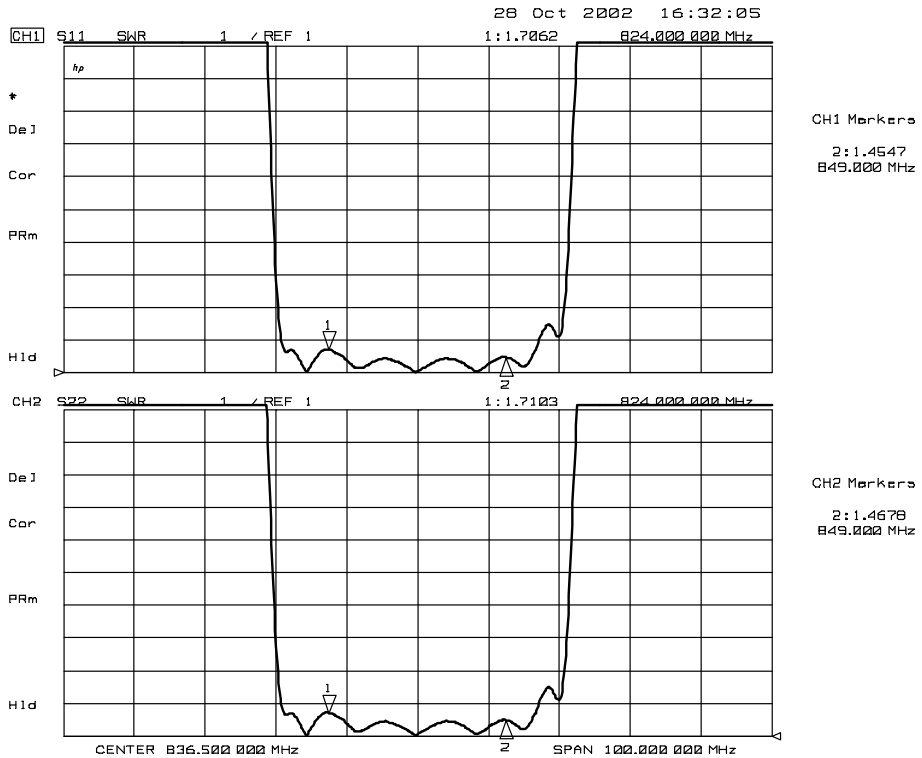


Fig.4 VSWR(S11,S22)

| | | | |
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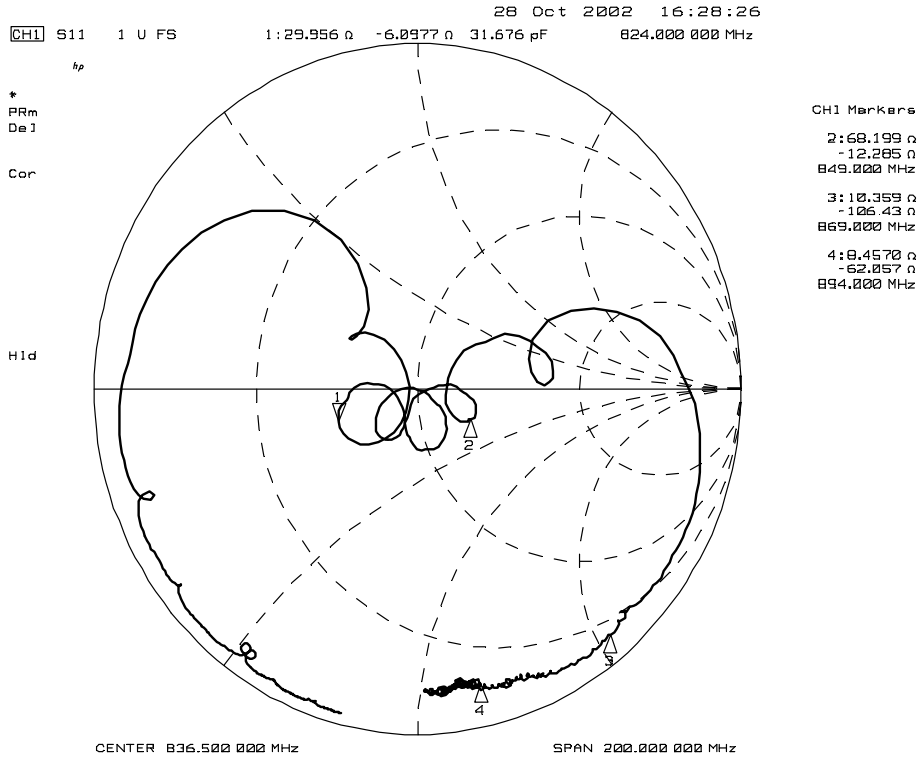


Fig.5 Impedance (S11)

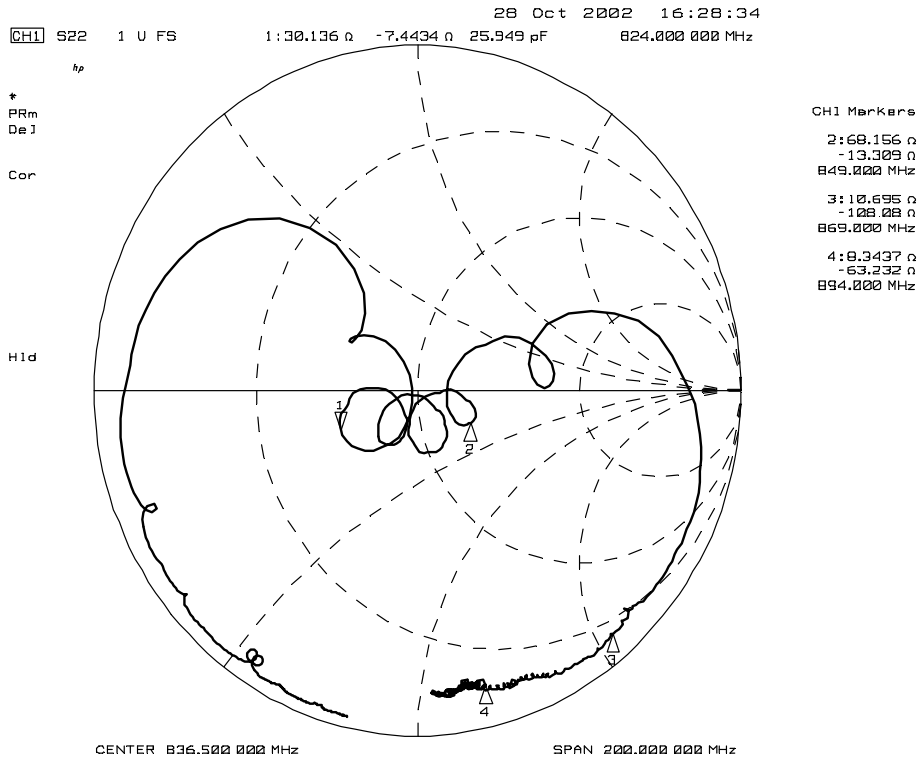


Fig.6 Impedance (S22)