| | | | |
|---|---|---|---|
| Customer Name | **Standard** | FUJITSU MEDIA DEVICES LIMITED | |
| System | Cell Band-Tx (50/50ohm Unbalance) | DATE | Dec. 14, 2005 |
| FMD Part Number | FAR-F5KA-836M50-D4CM | Version 2.0 b | |

## Table 1. Electrical specifications

| **Passband: 824 ~ 849 MHz** | | | | | | |
|---|---|---|---|---|---|---|
| **Item** | **Condition** | **Specification** | | | | **Remark** |
| | | Min. | Typ. | Max. | Unit | |
| Insertion Loss | 824 - 849 MHz | - | 1.8 | 2.3 | dB | |
| Ripple | 824 - 849 MHz | - | 0.6 | 1.4 | dB | |
| Absolute Attenuation | DC - 800 MHz | 32 | 40 | - | dB | |
| | 869 - 894 MHz | 28 | 35 | - | dB | |
| | 894 - 1050 MHz | 32 | 40 | - | dB | |
| | 1050 - 1210 MHz | 33 | 40 | - | dB | |
| | 1210 - 1580 MHz | 30 | 37 | - | dB | |
| | 1580 - 2000 MHz | 28 | 34 | - | dB | |
| | 2000 - 3000 MHz | 24 | 30 | - | dB | |
| VSWR(Input) | 824 - 849 MHz | - | 1.8 | 2.1 | | |
| VSWR(Output) | 824 - 849 MHz | - | 1.8 | 2.1 | | |
| 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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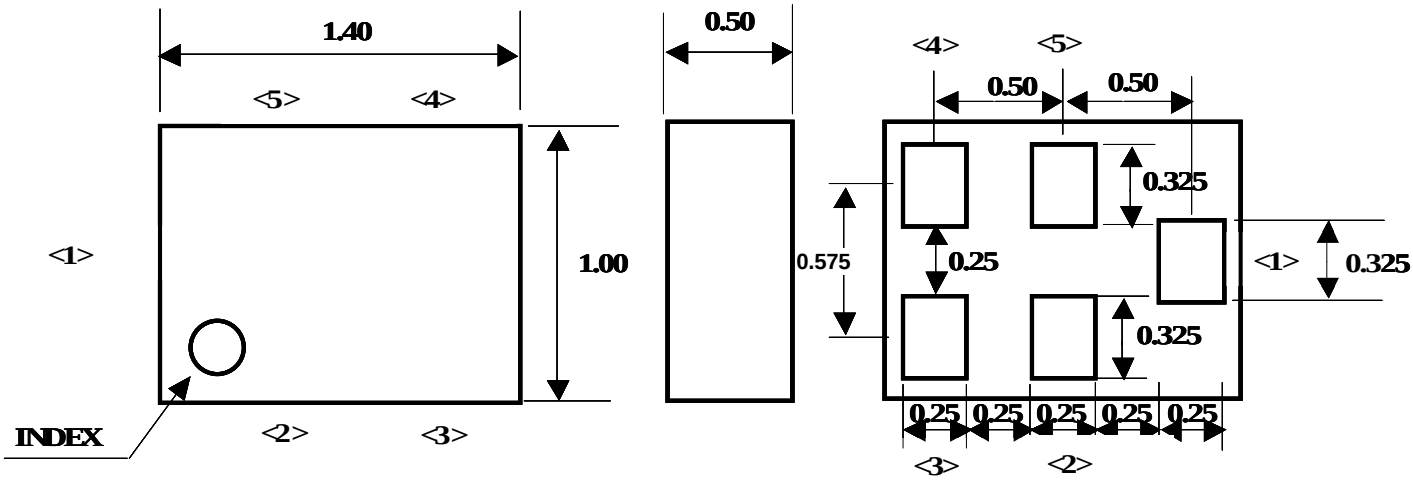
## Dimension

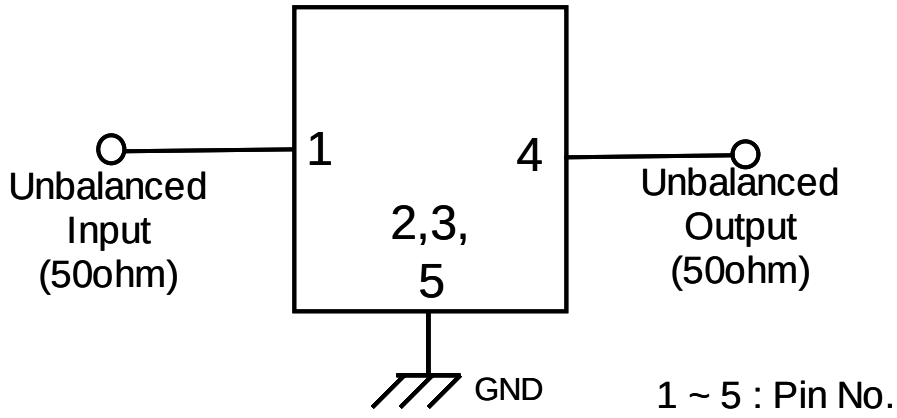
Device size: 1.4mmtyp. x 1.0mmtyp. x 0.5max.




## 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



| Customer Name | **Standard** | FUJITSU MEDIA DEVICES LIMITED | |
|---|---|---|---|
| System | Cell Band-Tx (50/50ohm Unbalance) | DATE | Dec. 14, 2005 |
| FMD Part Number | FAR-F5KA-836M50-D4CM | Version 2.0 b | |

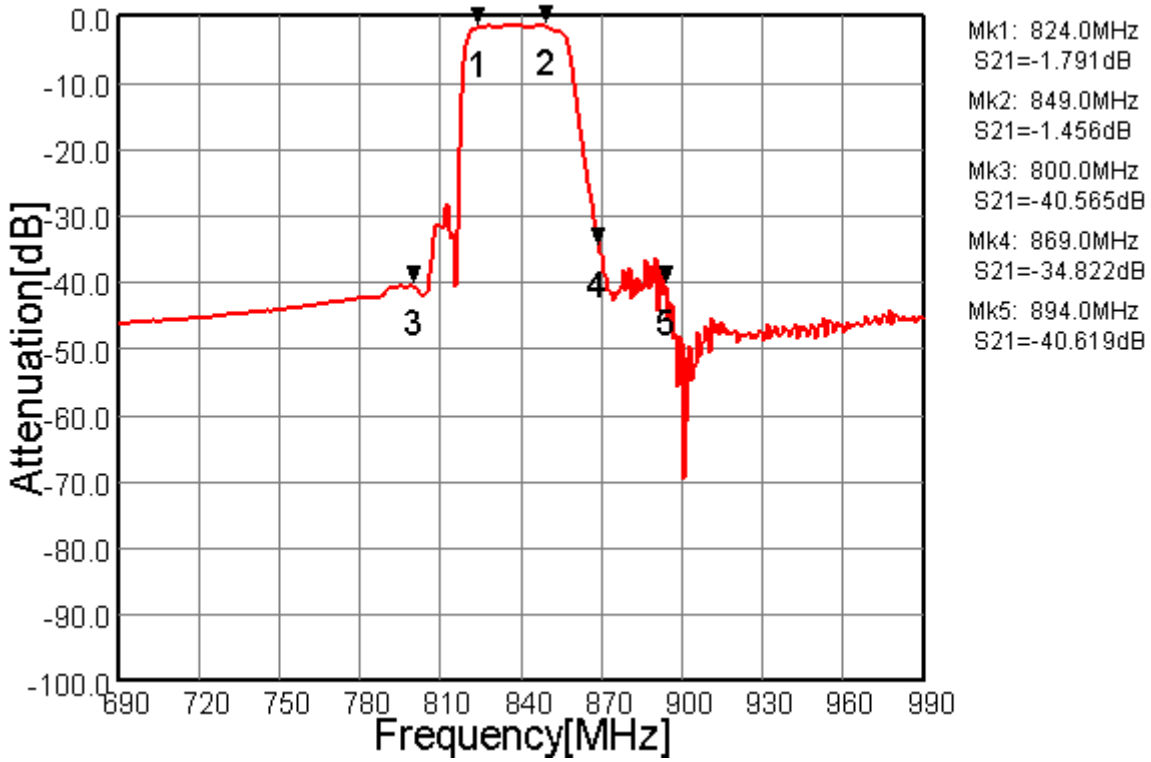



**Fig.1 Pass-band Characteristics**

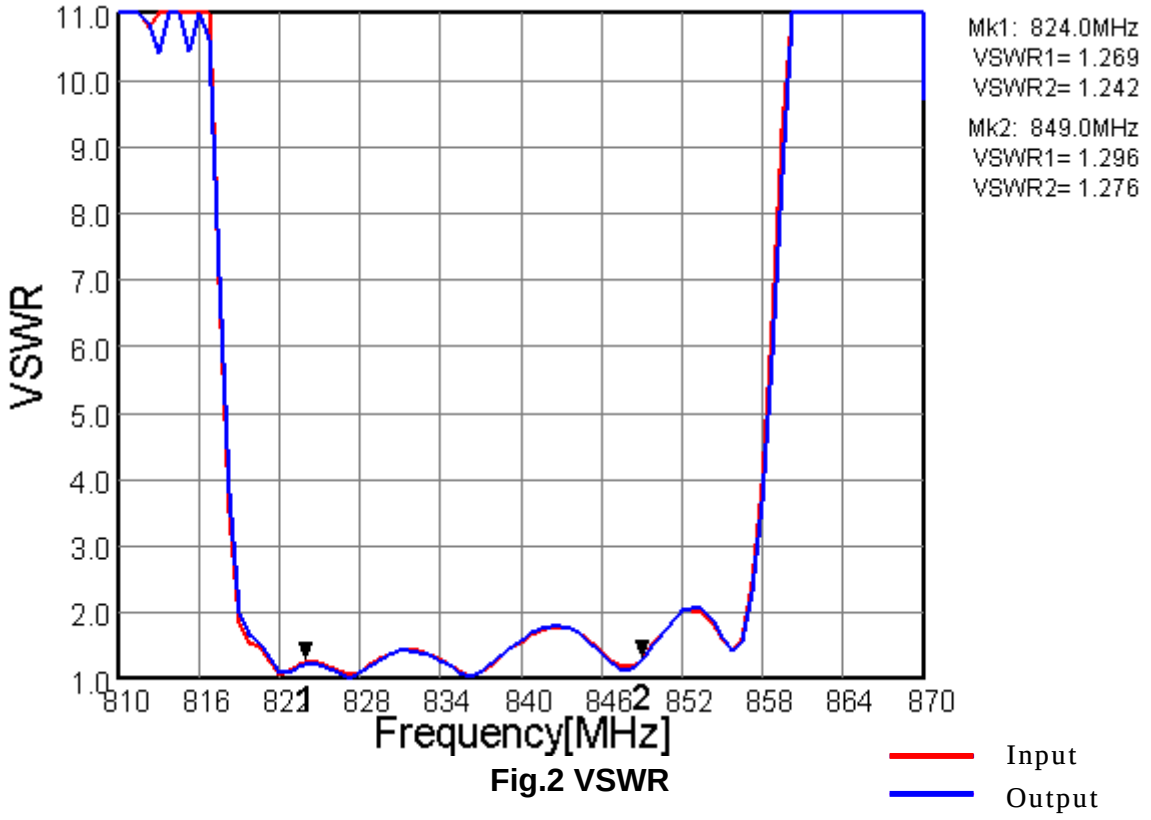



**Fig.2 VSWR**

| Customer Name | **Standard** | FUJITSU MEDIA DEVICES LIMITED | |
|---|---|---|---|
| System | Cell Band-Tx (50/50ohm Unbalance) | DATE | Dec. 14, 2005 |
| FMD Part Number | FAR-F5KA-836M50-D4CM | Version 2.0 b | |

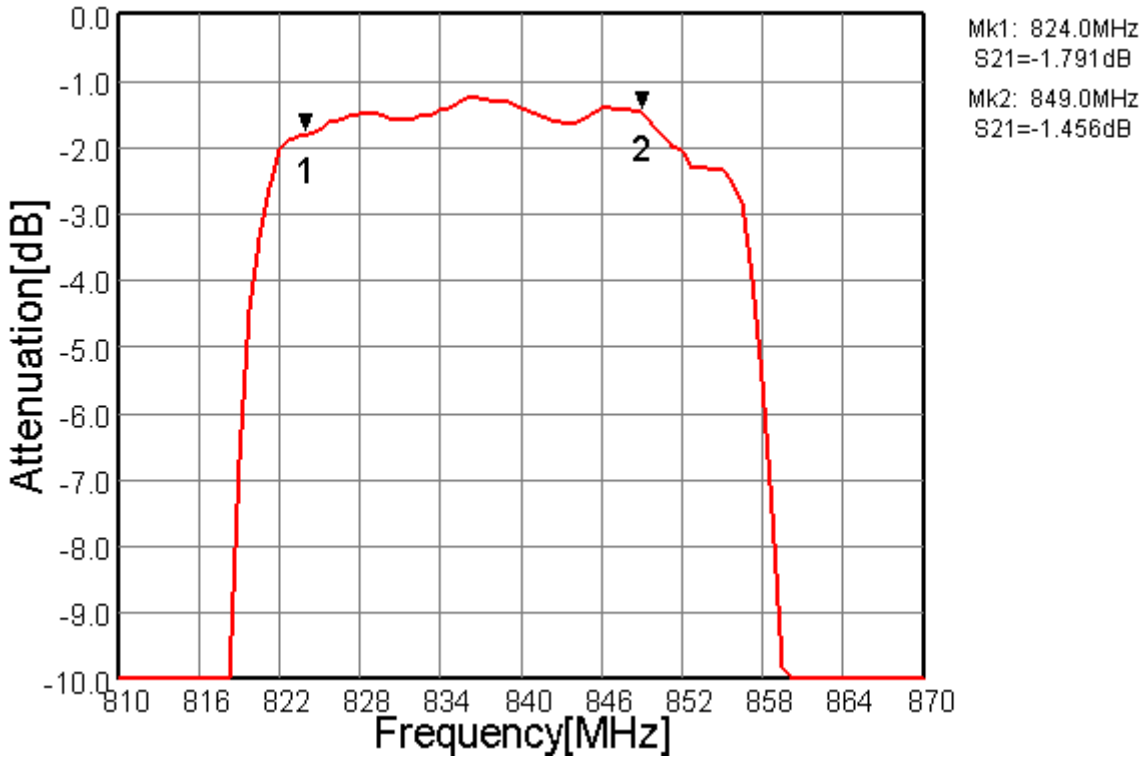



**Fig.3 In-band Characteristics**

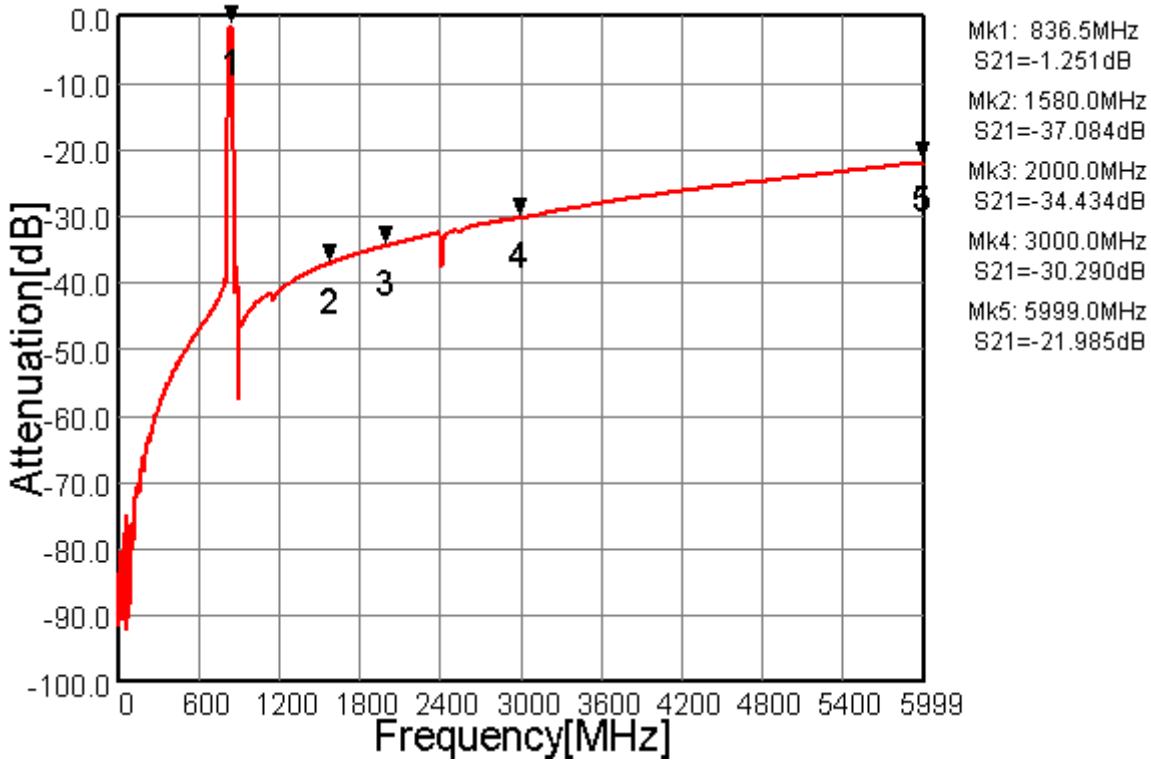



**Fig.4 Wide-band Characteristics**

| | | | |
|---|---|---|---|
| Customer Name | **Standard** | FUJITSU MEDIA DEVICES LIMITED | |
| System | Cell Band-Tx (50/50ohm Unbalance) | DATE | Dec. 14, 2005 |
| FMD Part Number | FAR-F5KA-836M50-D4CM | Version 2.0 b | |

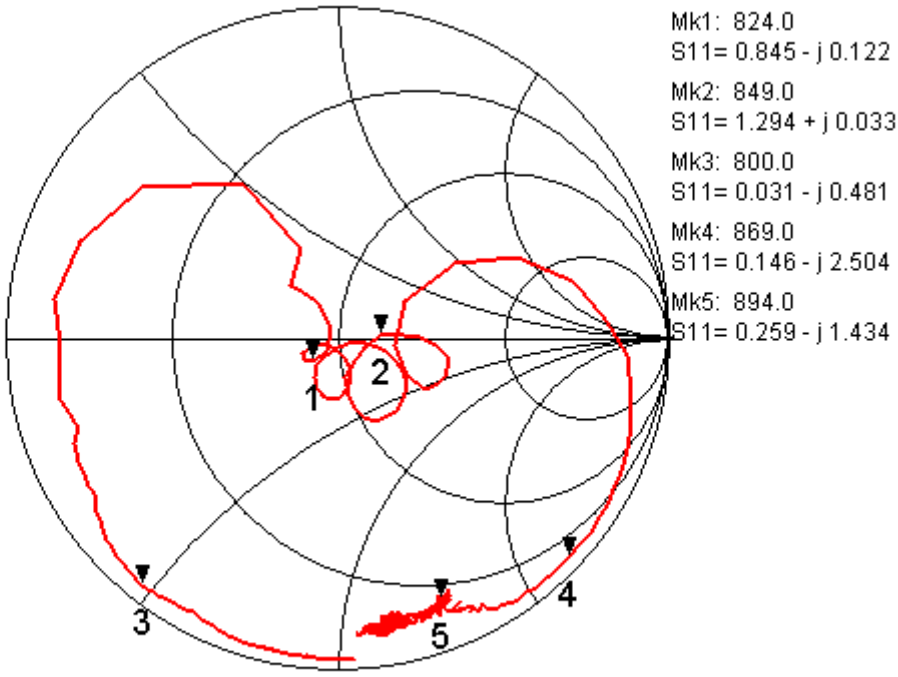



**Fig.5 Input Impedance**

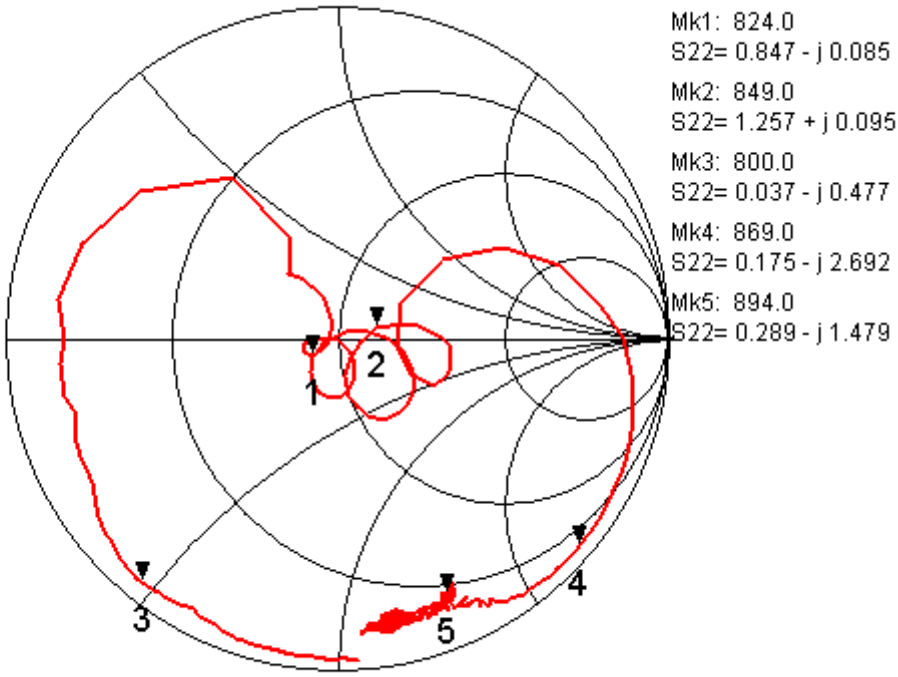



**Fig.6 Output Impedance**