| FMD Part Number | FAR-G6CR-1G8950-L24A | FUJITSU MEDIA DEVICES LIMITED | | |
|---|---|---|---|---|
| | | DATE | Feb. 12, 2002 | |
| TYPE. | PCS-Tx Split Band Dual SAW Filter | Specification | Version 1.1 | **Preliminary** |

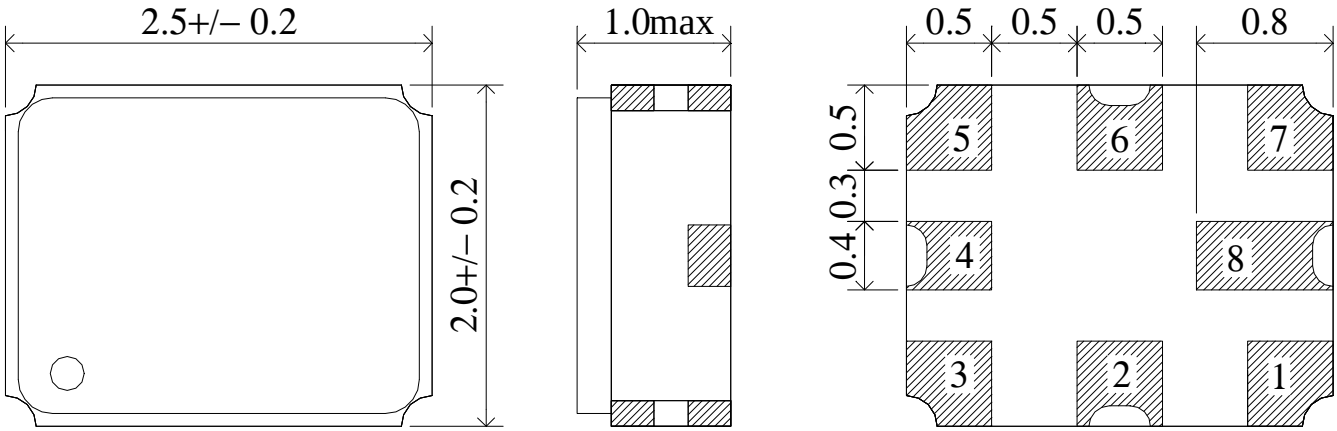
Table 1. Electrical specifications

| Filter 1 : Lower side | | | | | | |
|---|---|---|---|---|---|---|
| Item | Condition (MHz) | Unit | Value | | | Remarks |
| | | | Min. | Typ. | Max. | |
| Pass band | | MHz | 1850 ~ 1880 | | | |
| Insertion Loss | 1850 ~ 1880 | dB | – | 2.1 | 2.5 | |
| Ripple | 1850 ~ 1880 | dB | – | 0.6 | 1.2 | |
| VSWR | 1850 ~ 1880 | dB | – | 1.4 | 2.0 | |
| Absolute attenuation | DC ~ 1700 | dB | 23 | 25 | – | |
| | 1700 ~ 1760 | dB | 30 | 39 | – | |
| | 1770 ~ 1800 | dB | 20 | 32 | – | |
| | 1930 ~ 1960 | dB | 35 | 41 | – | |
| | 1960 ~ 2100 | dB | 30 | 39 | – | |
| | 2100 ~ 3000 | dB | 25 | 33 | – | |
| Input Power | 1850 ~ 1880 | dBm | – | – | 13 | CW |
| **Filter 2 : Upper side** | | | | | | |
| Item | Condition (MHz) | Unit | Value | | | Remarks |
| | | | Min. | Typ. | Max. | |
| Pass Band | | MHz | 1880 ~ 1910 | | | |
| Insertion Loss | 1880 ~ 1910 | dB | – | 2.1 | 2.5 | |
| Ripple | 1880 ~ 1910 | dB | – | 0.5 | 1.2 | |
| VSWR | 1880 ~ 1910 | dB | – | 1.6 | 2.0 | |
| Absolute attenuation | DC ~ 1700 | dB | 23 | 25 | – | |
| | 1700 ~ 1760 | dB | 30 | 39 | – | |
| | 1800 ~ 1830 | dB | 20 | 24 | – | |
| | 1960 ~ 1990 | dB | 35 | 38 | – | |
| | 1990 ~ 2100 | dB | 30 | 37 | – | |
| | 2100 ~ 3000 | dB | 25 | 31 | – | |
| Input Power | 1880 ~ 1910 | dBm | – | – | 13 | CW |
| Operating Temperature | | $^{o}$C | –30 | +25 | +85 | |
| Storage Temperature | | $^{o}$C | –40 | – | +100 | |

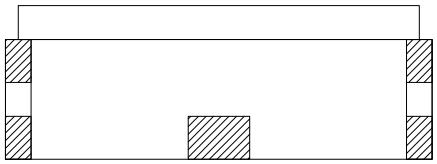
# 1. Pin assignment of 2520 dual filter

Preliminary

Sep. 25, 2001




1 ~ 8 : Pin No.  Unit : mm



| Filter No. | System |
|---|---|
| 1 | PCS-Tx lower |
| 2 | PCS-Tx upper |

| Pin No. | Pin name | Description |
|---|---|---|
| 1 | IN | Filter 1 input pin |
| 2 | GND | Ground pin |
| 3 | IN | Filter 2 input pin |
| 4 | GND | Ground pin |
| 5 | OUT | Filter 2 output pin |
| 6 | GND | Ground pin |
| 7 | OUT | Filter 1 output pin |
| 8 | GND | Ground pin |

# 2. Test condition

< Filter 1 >

< Filter 2 >

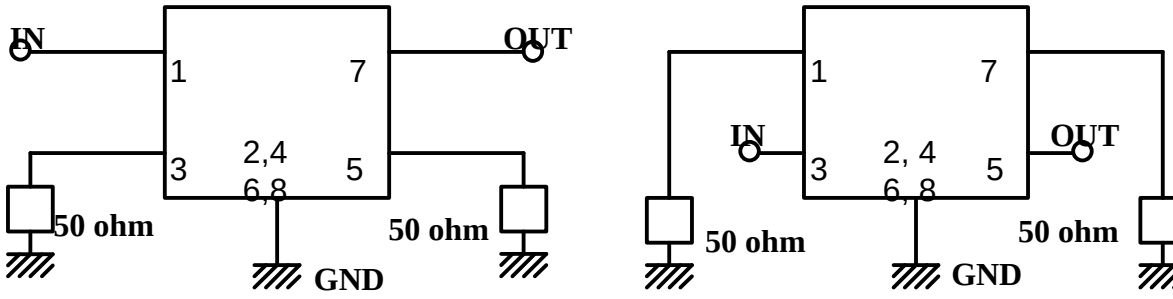
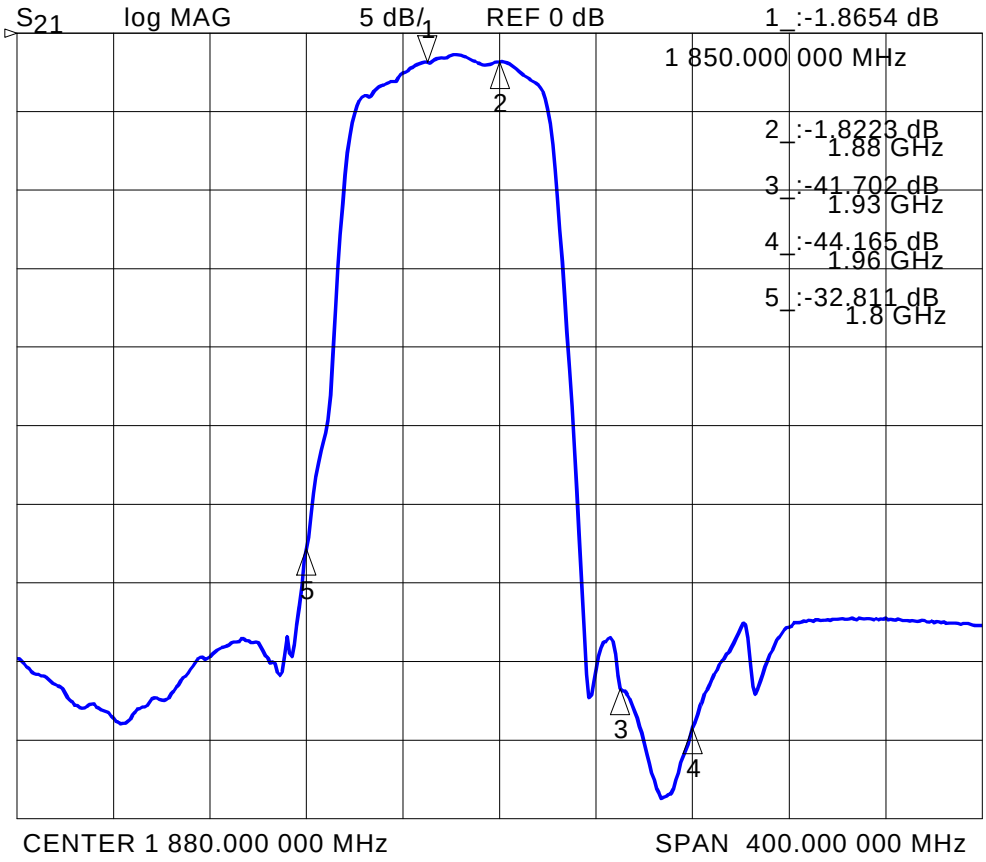



Fig.1

Feb. 12, 2002




Filter 1:Lower side

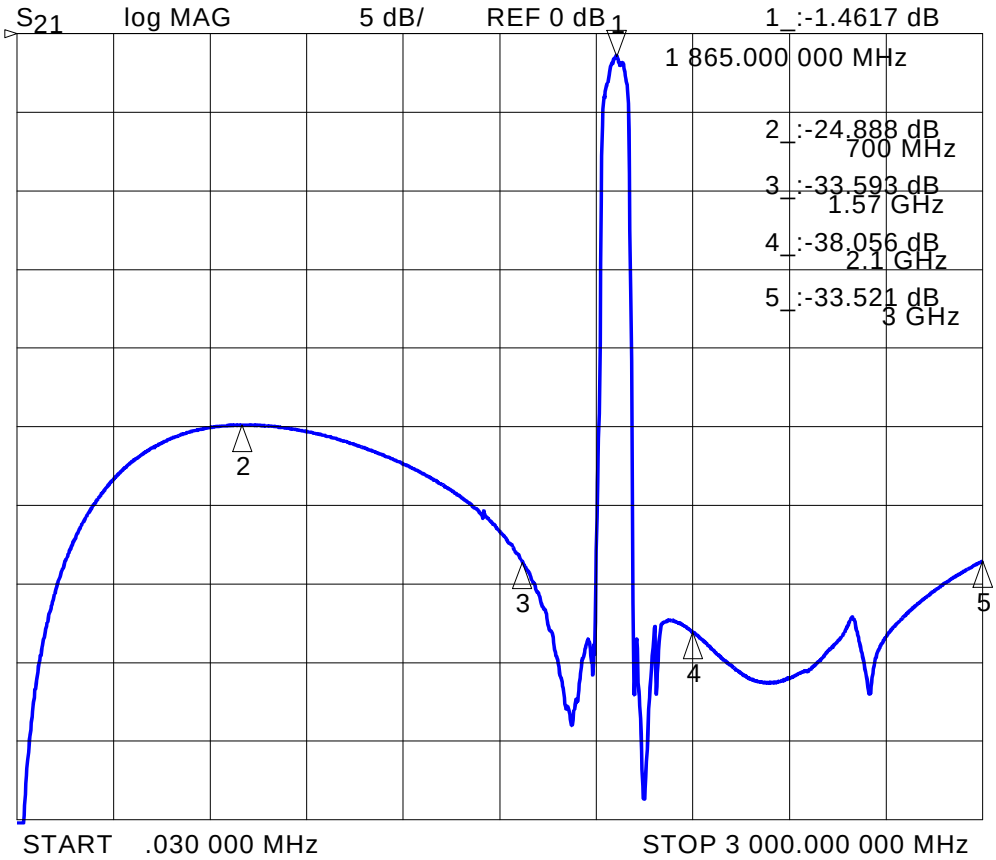


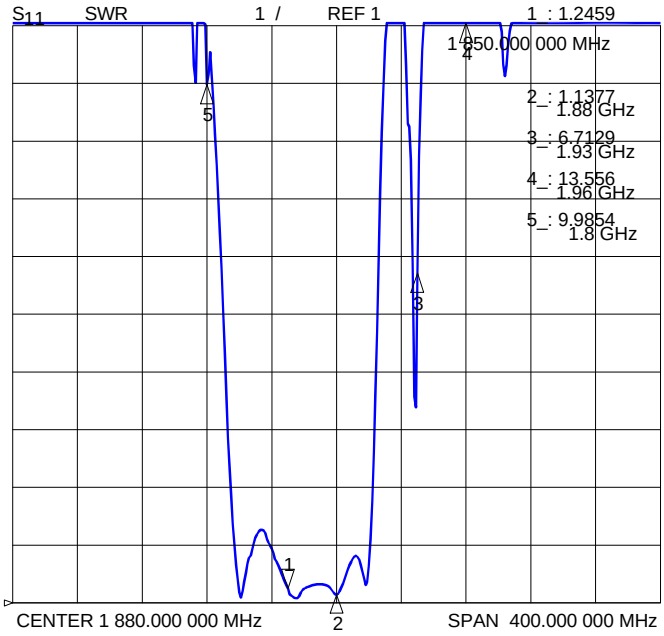

Fig. 2-1

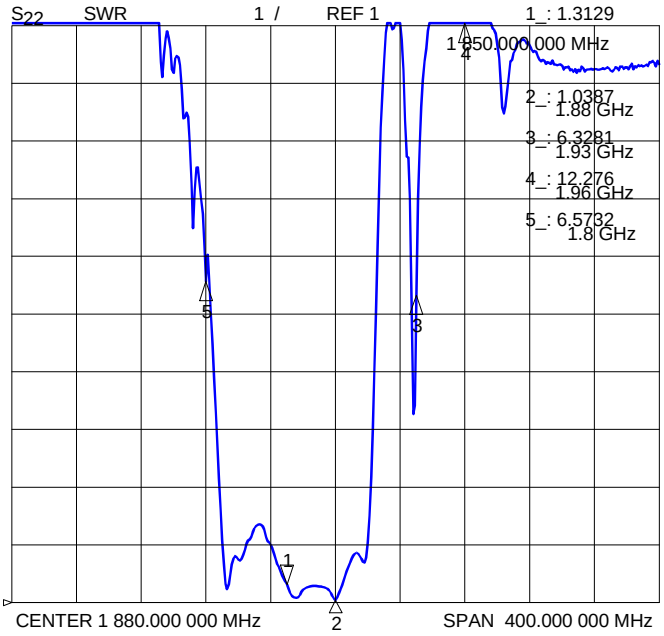
# FAR-G6CR-1G8950-L24A (ver.1.1)

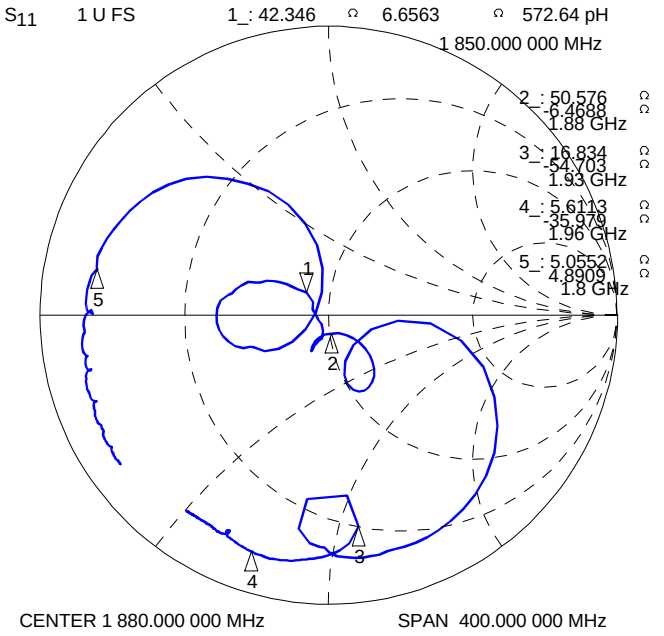
THE POSSIBILITIES ARE INFINITE FUJITSU

Filter 1:Lower side

Feb. 12, 2002



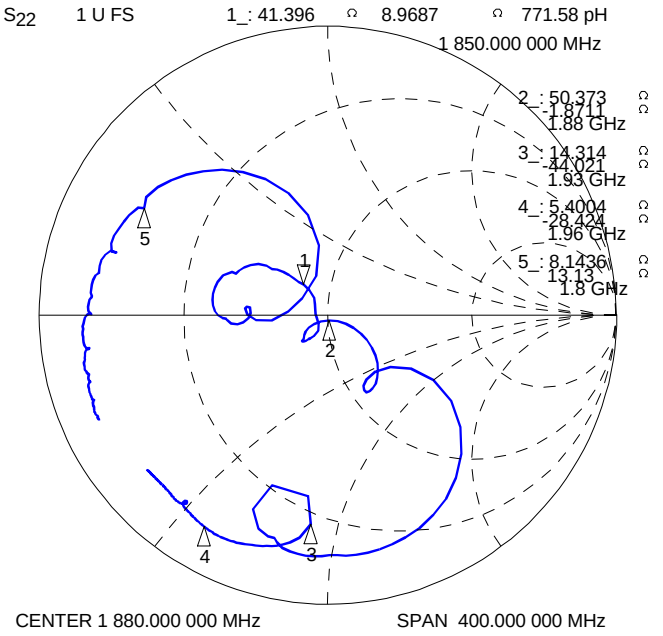
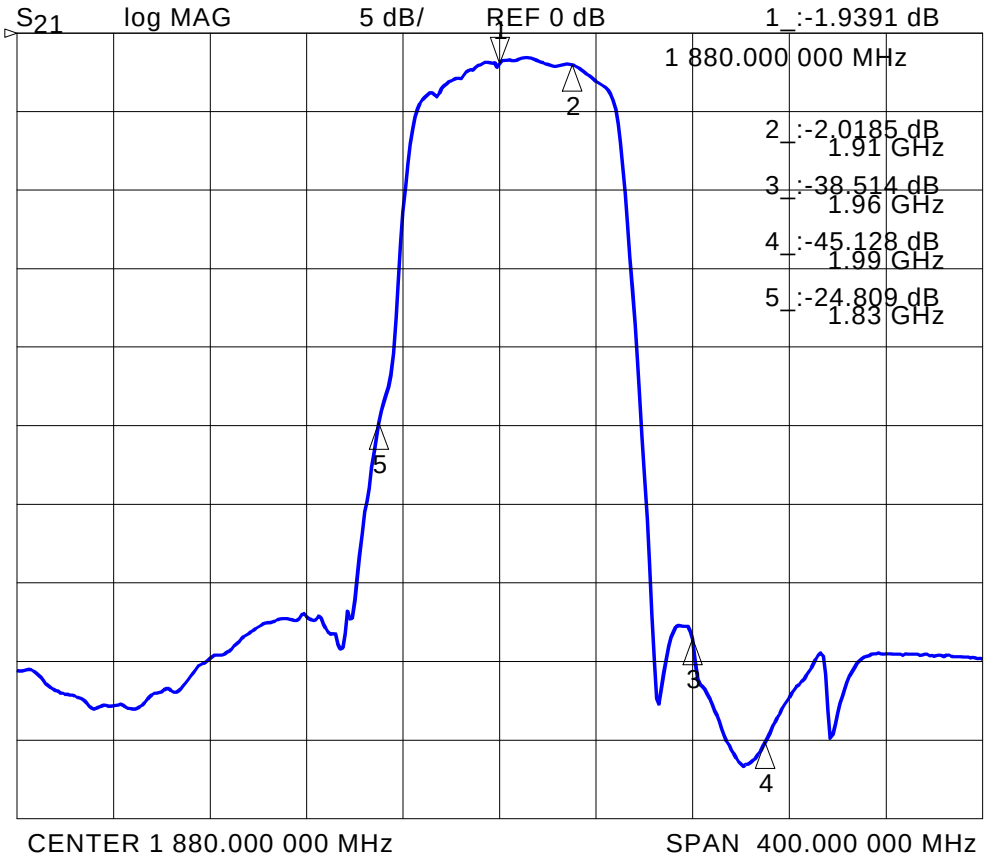




Fig. 2-2

Feb. 12, 2002




Filter 2:Upper side

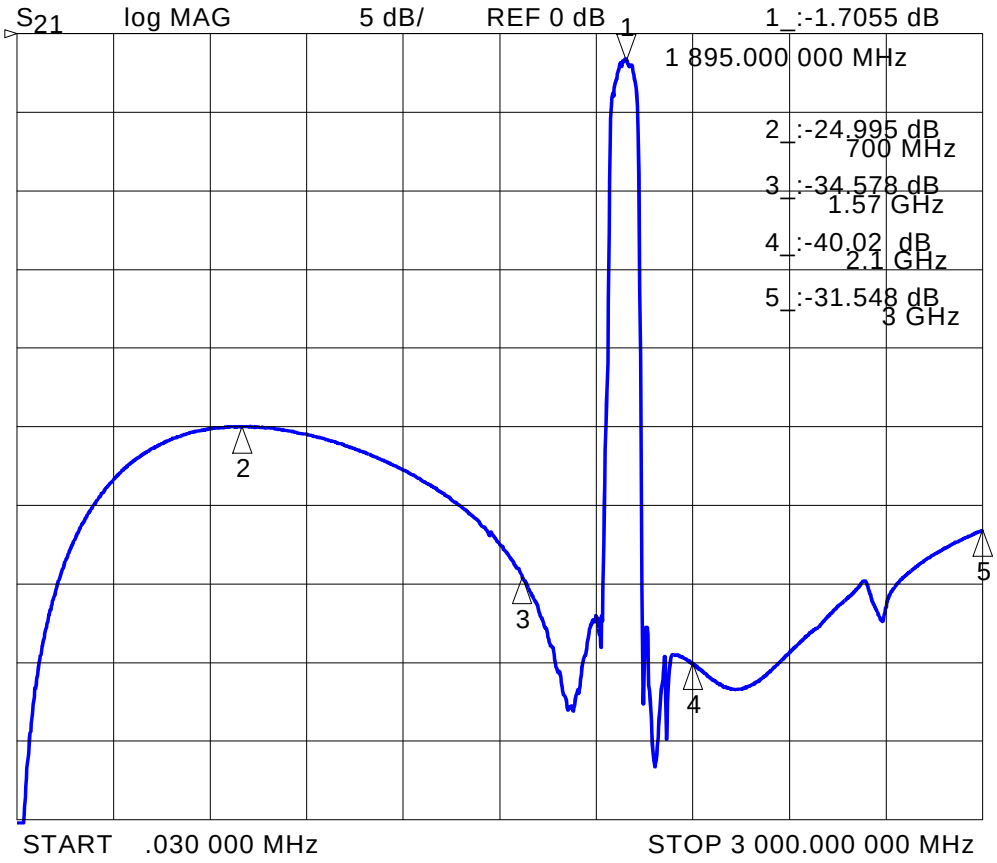


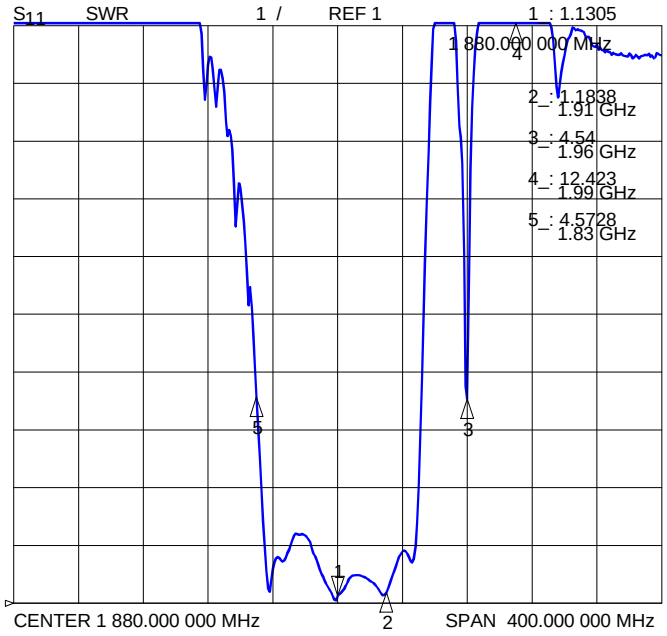

Fig. 3-1

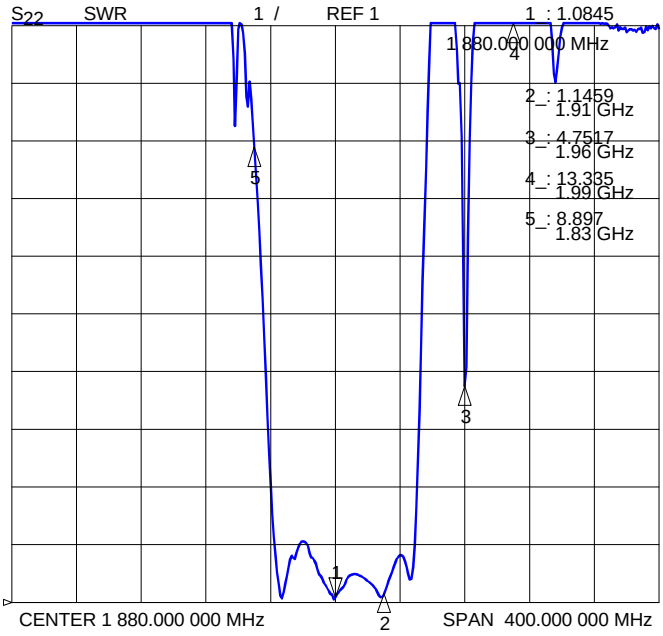
# FAR-G6CR-1G8950-L24A (ver.1.1)

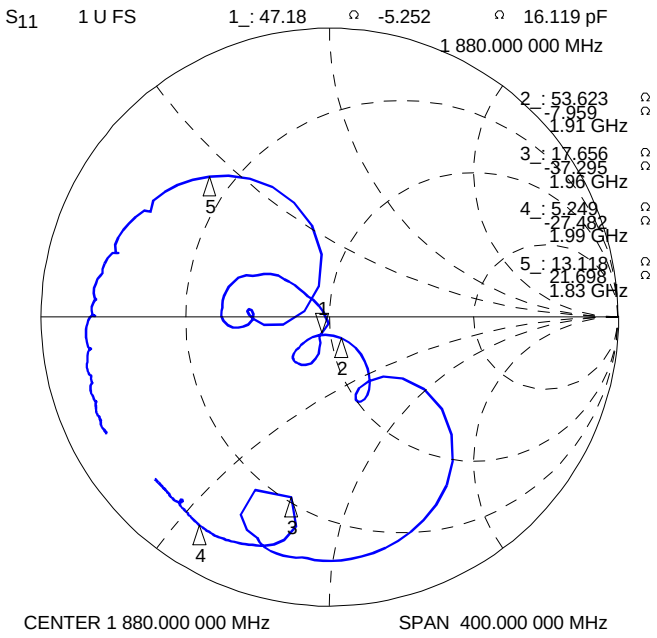
THE POSSIBILITIES ARE INFINITE FUJITSU

Filter 2:Upper side

Feb. 12, 2002



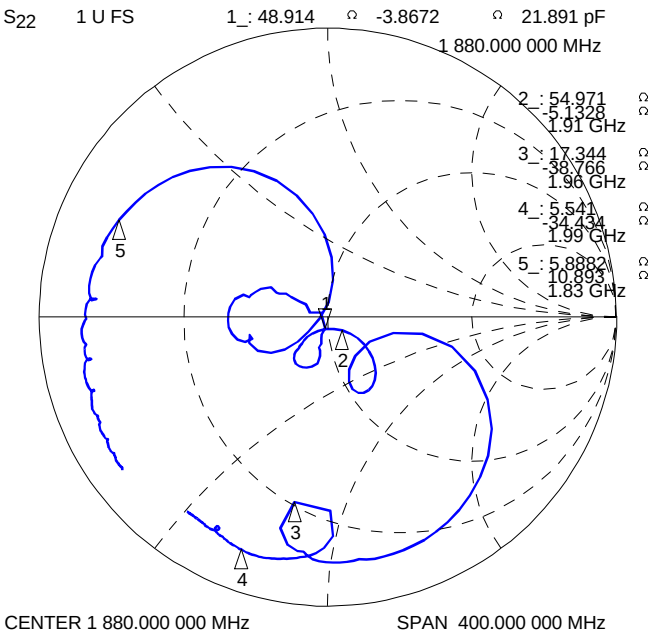




Fig. 3-2