

Customer Name	Standard	FUJITSU MEDIA DEVICES LIMITED	
System	DCS1800-Rx (50/50ohm)	DATE	Mar. 31, 2004
FMD Part Number	FAR-F6EA-1G8425-D2ABA	Version 1.1c	
Customer Number			

Table 1 Electrical Specification

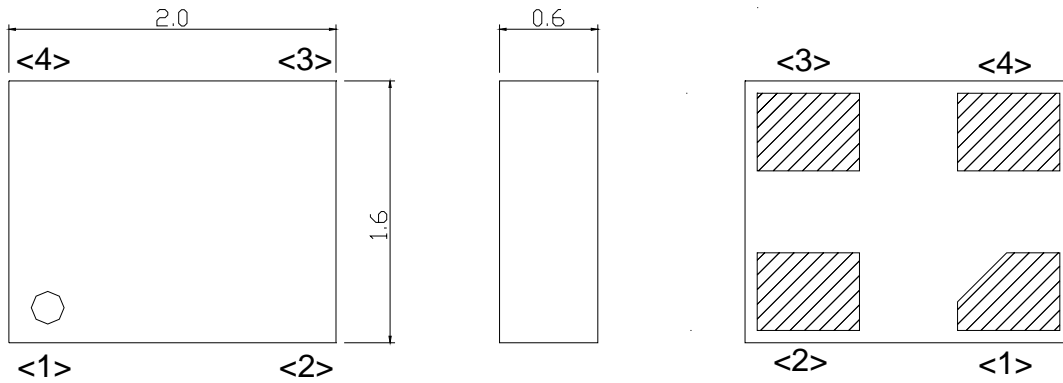
Passband : 1805 ~ 1880 MHz						
Item	Condition (MHz)	Specification			Unit	Remark
		Min.	Typ.	Max.		
Insertion Loss (*)	1805 ~ 1880	-	1.8	2.4	dB	25+/-2 °C
		-	-	2.6	dB	-20 ~ +65 °C
		-	-	2.5	dB	-10 ~ +80 °C
Ripple	1805 ~ 1880	-	0.7	1.4	dB	
Absolute attenuation	DC ~ 1300	33	39	-	dB	
	1300 ~ 1705	25	30	-	dB	
	1705 ~ 1785	14	17	-	dB	25+/-2 °C
		13	-	-	dB	-20 ~ +65 °C
		12	-	-	dB	-10 ~ +80 °C
	1920 ~ 1980	18	23	-	dB	
	1980 ~ 2300	25	30	-	dB	
	2300 ~ 2500	23	28	-	dB	
	2500 ~ 3840	15	22	-	dB	
	3840 ~ 5000	10	17	-	dB	
5000 ~ 6000	8	15	-	dB		
VSWR (Input)	1805 ~ 1880	-	1.9	2.4	-	
VSWR (Output)	1805 ~ 1880	-	2.0	2.5	-	
Input Impedance	Unbalanced	50 // 8.2nH			ohm	
Output Impedance	Unbalanced	50			ohm	
Operating temperature		-20 ~ +80 °C			°C	

Note *: Insertion loss doesn't include the loss coming from test fixture.

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Dimensions

Device size: 2.0typ. x 1.6typ. x 0.6typ

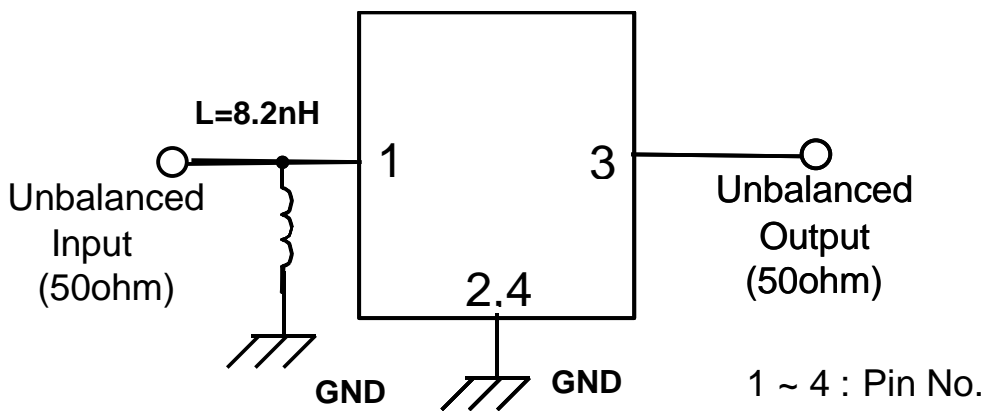


Unit : mm

Pin Configuration

Pin No.	Pin name	Description
1	IN	Input pin
2	GND	Ground
3	OUT	Output pin
4	GND	Ground

Evaluation Circuit



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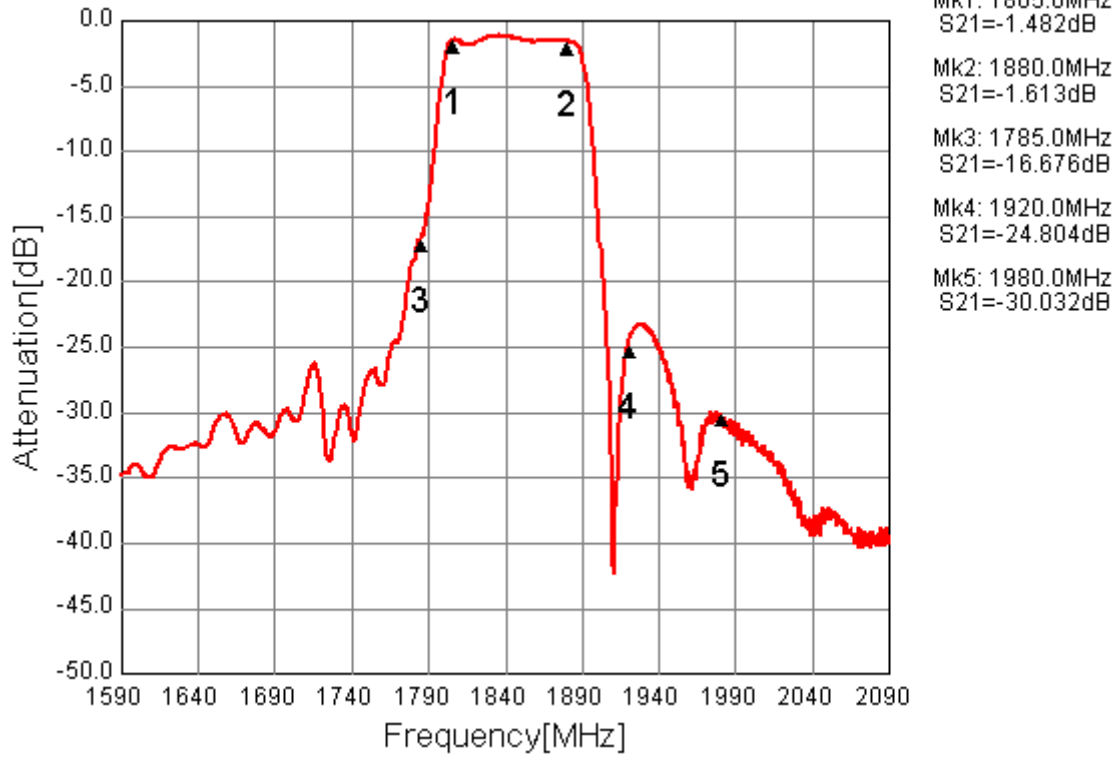


Fig.1 Pass-band Characteristics

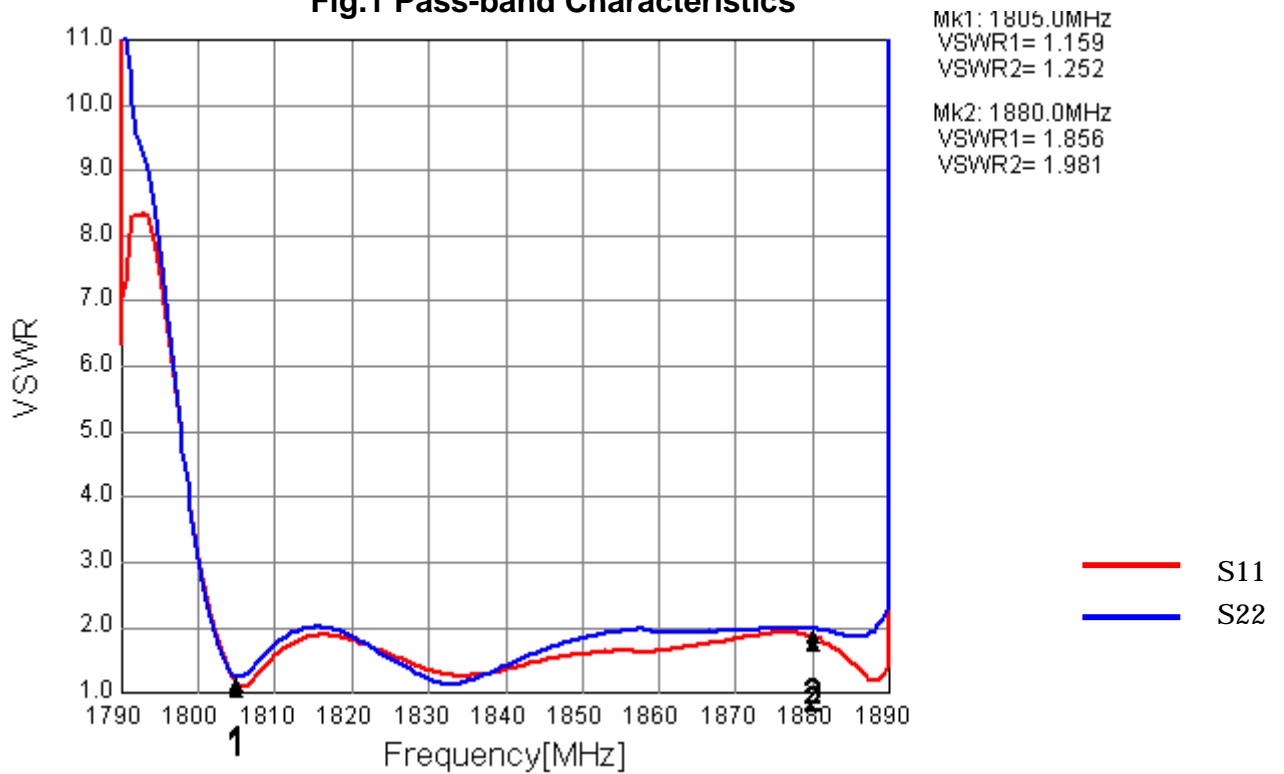


Fig.2 VSWR

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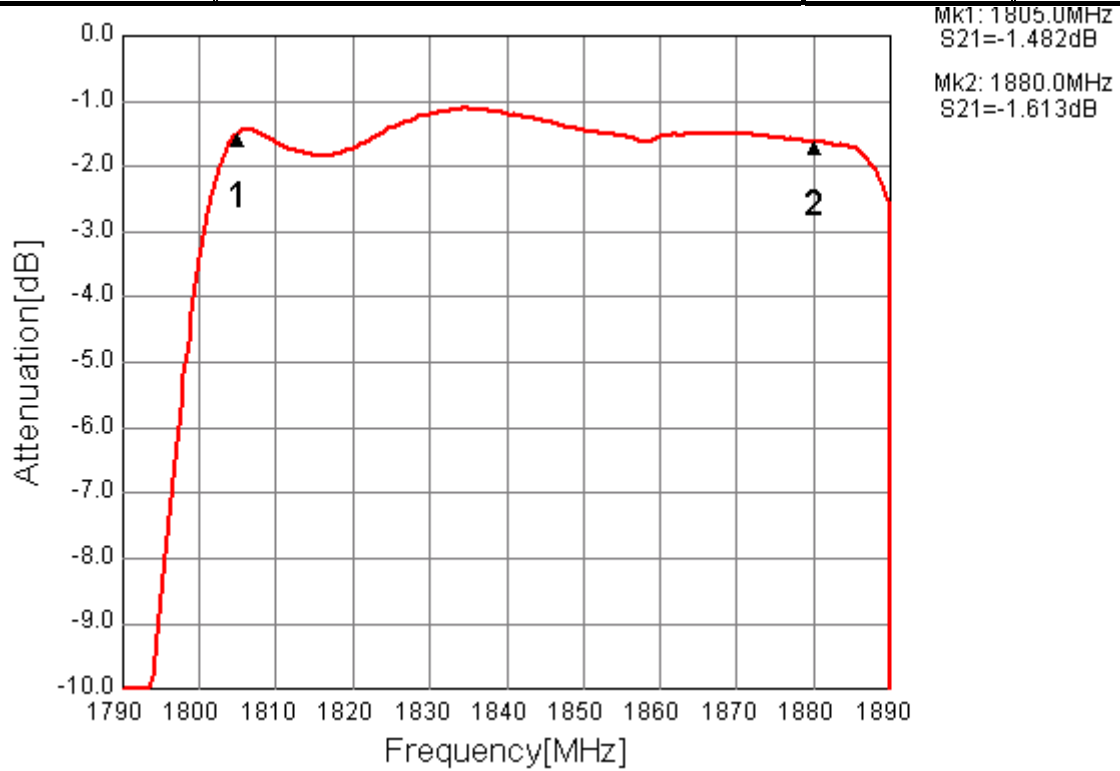


Fig.3 In-band Characteristics

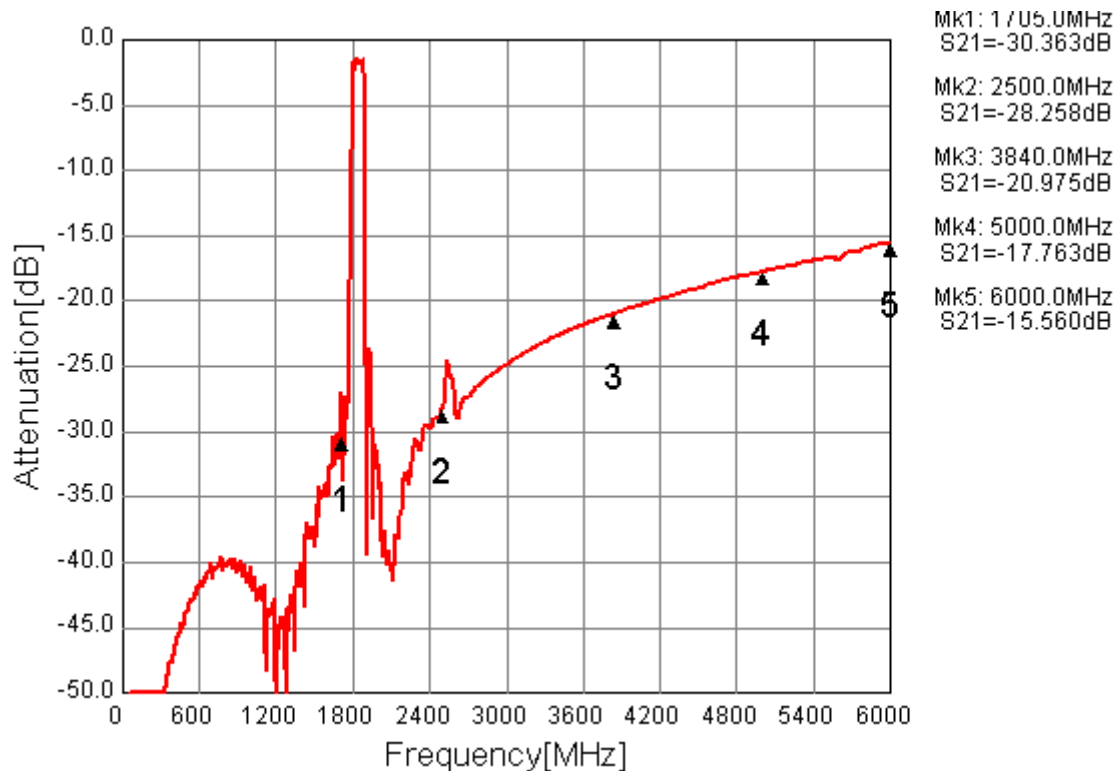


Fig.4 Wide-band Characteristics

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Mk1: 18U5.0

Mk2: 1880.0

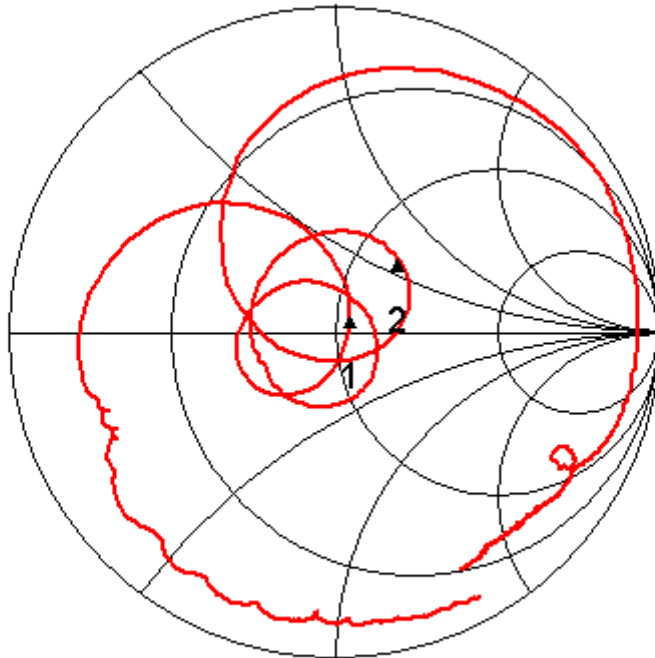


Fig.5 S11

Mk1: 18U5.0

Mk2: 1880.0

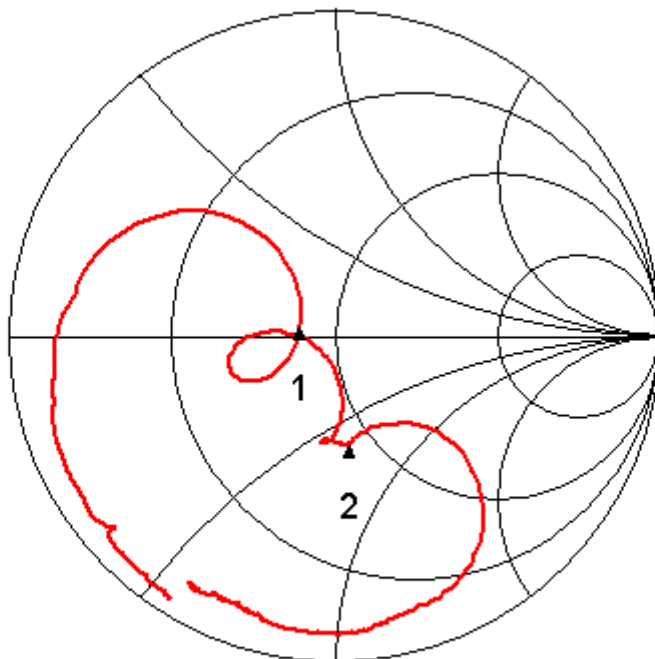


Fig.6 S22