

Customer Name	Standard	FUJITSU MEDIA DEVICES LIMITED	
System	PCS-Rx	DATE	June 1, 2004
FMD Part Number	FAR-F6EA-1G9600-D2AC	Version 3.2f	

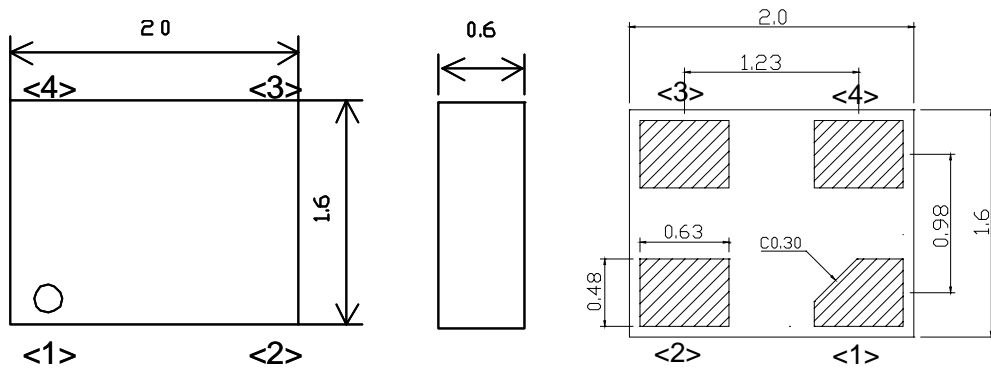
Table1. Electrical specifications

Item	Condition	Value			Unit	Remarks
		Min.	Typ.	Max.		
Pass band	-	1930-1990			MHz	
Insertion Loss	1930-1990 MHz	-	2.3	2.7	dB	Ta=25 °C
		-	-	3.1		
Ripple	1930-1990 MHz	-	0.6	1.7	dB	
Absolute attenuation	D.C.-1850 MHz	26	34	-	dB	
	1850-1910 MHz	15	21	-	dB	Ta=25 °C
		12	-	-	dB	
	2010-2070 MHz	15	21	-	dB	Ta=25 °C
		10	-	-	dB	
	3860-3980 MHz	28	37	-	dB	
5790-5970 MHz	23	33	-	dB		
VSWR	1930-1990 MHz	-	2.0	2.4	-	
Input Power	-	13			dBm	Pass Band
In/Output impedance	-	50/50			ohm	
Operating temperature		-30 to +85			°C	
Device size (L x W x H)		2.0typ.x1.6typ.x0.6max.			mm	SMD

Customer Name	Standard	FUJITSU MEDIA DEVICES LIMITED	
System	PCS-Rx	DATE	June 1, 2004
FMD Part Number	FAR-F6EA-1G9600-D2AC	Version 3.2f	

Dimensions

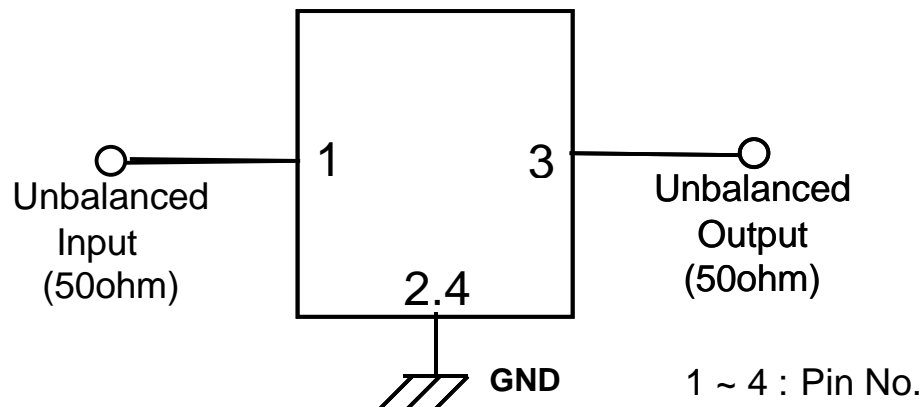
Device size: 2.0typ. x 1.6typ. x 0.6max



Pin Configuration

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

Evaluation Circuit



Customer Name	Standard	FUJITSU MEDIA DEVICES LIMITED	
System	PCS-Rx	DATE	June 1, 2004
FMD Part Number	FAR-F6EA-1G9600-D2AC	Version 3.2f	

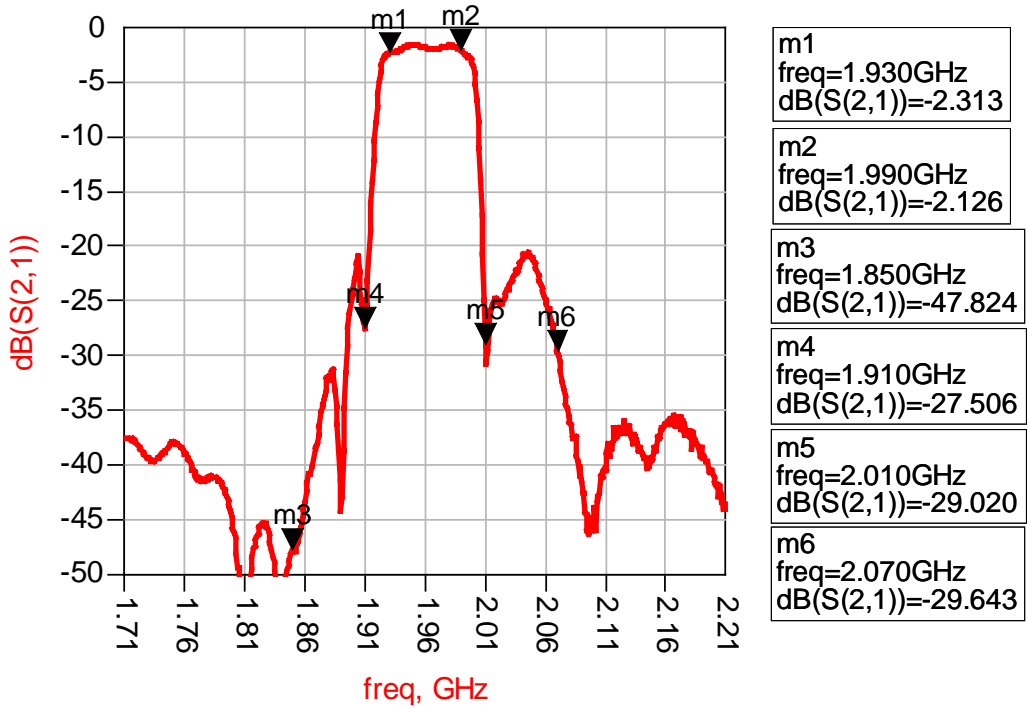


Fig.1 Pass-band Characteristics

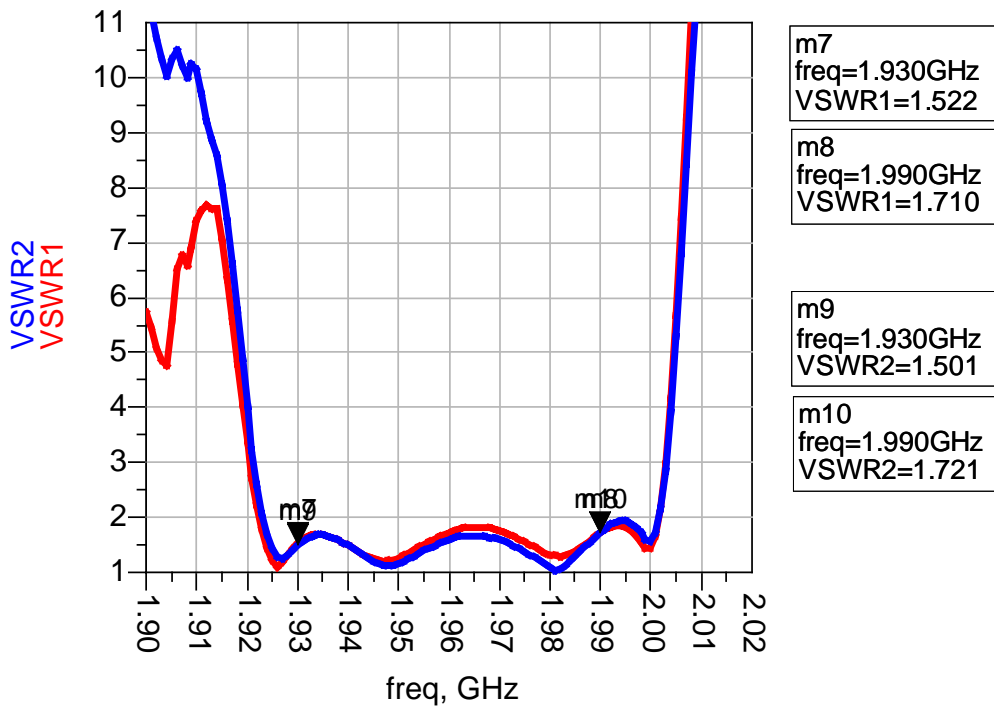


Fig.2 VSWR

Customer Name	Standard	FUJITSU MEDIA DEVICES LIMITED	
System	PCS-Rx	DATE	June 1, 2004
FMD Part Number	FAR-F6EA-1G9600-D2AC	Version 3.2f	

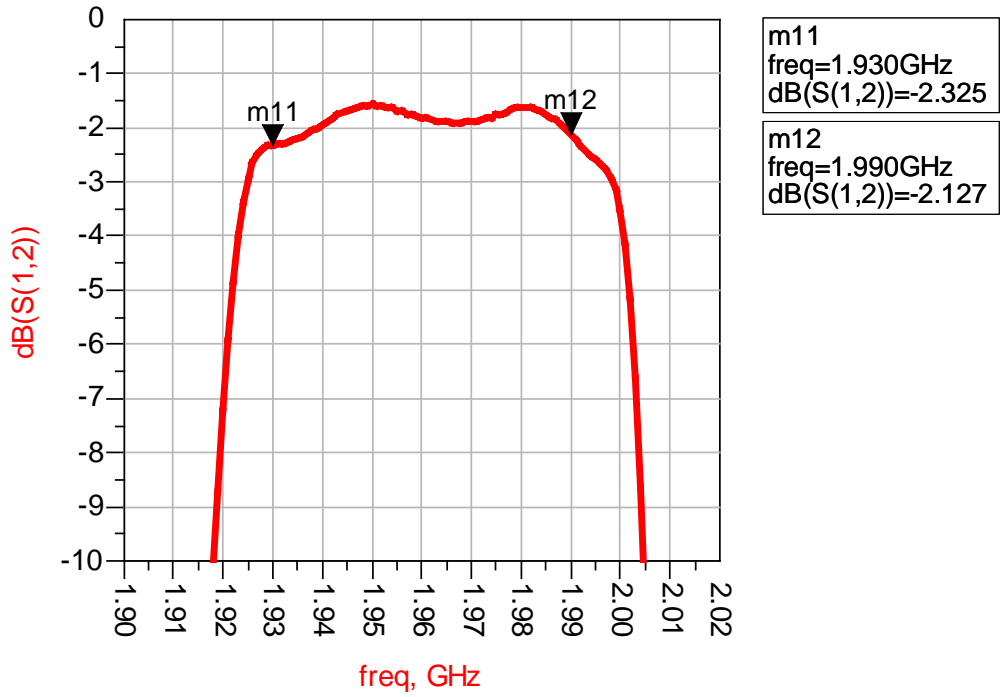


Fig.3 In-band Characteristics

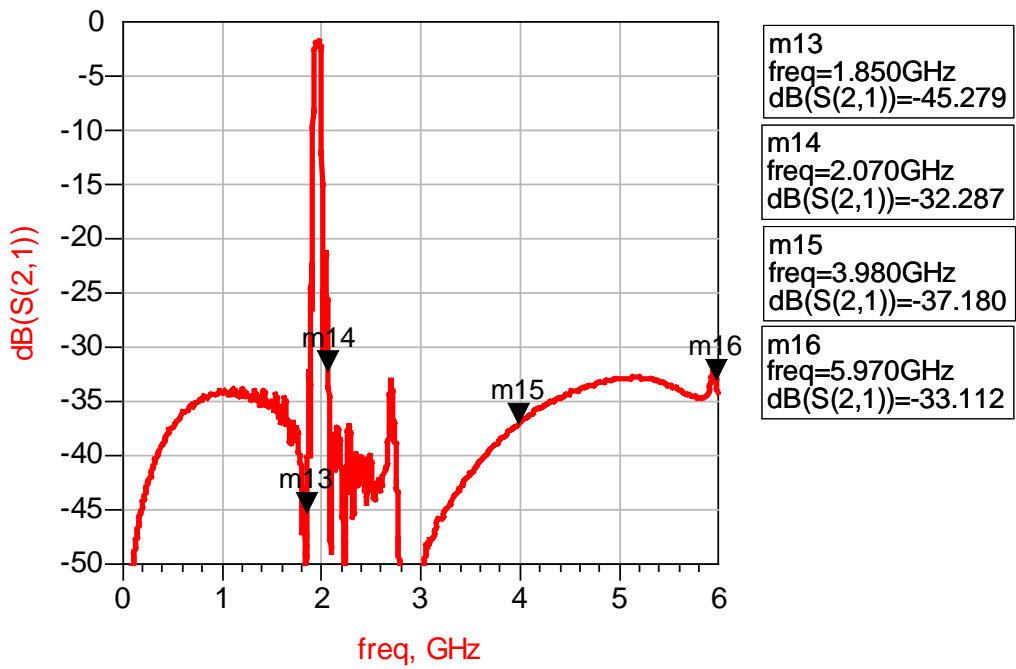
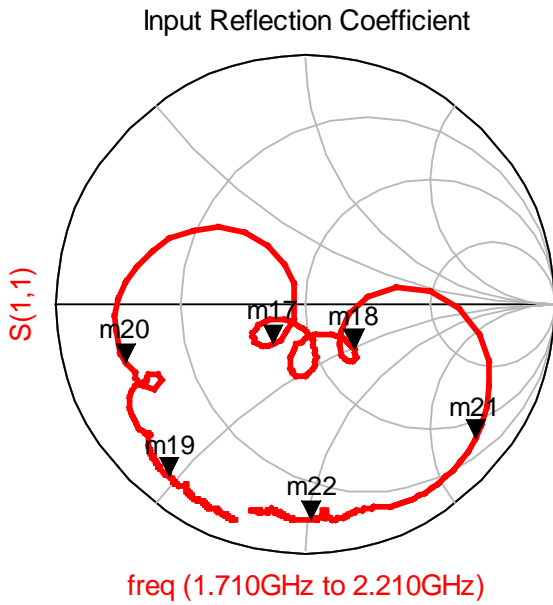


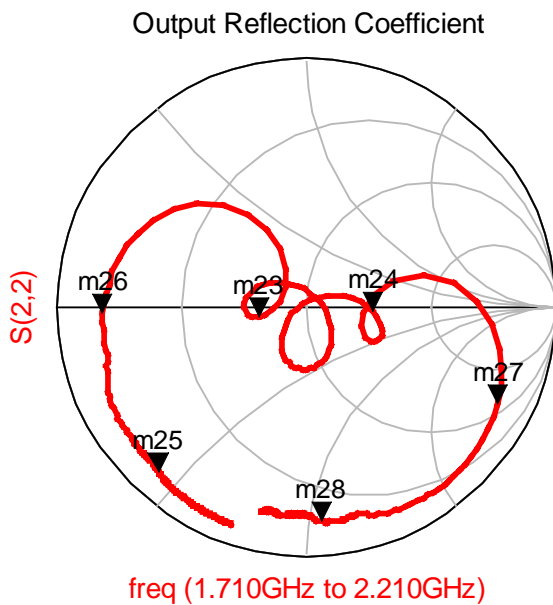
Fig.4 Wide-band Characteristics

Customer Name	Standard	FUJITSU MEDIA DEVICES LIMITED	
System	PCS-Rx	DATE	June 1, 2004
FMD Part Number	FAR-F6EA-1G9600-D2AC	Version 3.2f	



m17 freq=1.930GHz S(1,1)=0.207 / -129.550 impedance = Z0 * (0.733 - j0.244)
m18 freq=1.990GHz S(1,1)=0.262 / -43.304 impedance = Z0 * (1.355 - j0.523)
m19 freq=1.850GHz S(1,1)=0.882 / -128.217 impedance = Z0 * (0.077 - j0.483)
m20 freq=1.910GHz S(1,1)=0.762 / -162.026 impedance = Z0 * (0.139 - j0.155)
m21 freq=2.010GHz S(1,1)=0.868 / -38.660 impedance = Z0 * (0.621 - j2.725)
m22 freq=2.070GHz S(1,1)=0.865 / -88.644 impedance = Z0 * (0.148 - j1.013)

Fig.5 Impedance (S11)



m23 freq=1.930GHz S(2,2)=0.200 / -167.480 impedance = Z0 * (0.671 - j0.061)
m24 freq=1.990GHz S(2,2)=0.265 / -4.137 impedance = Z0 * (1.717 - j0.071)
m25 freq=1.850GHz S(2,2)=0.890 / -132.094 impedance = Z0 * (0.070 - j0.442)
m26 freq=1.910GHz S(2,2)=0.821 / -178.134 impedance = Z0 * (0.098 - j0.016)
m27 freq=2.010GHz S(2,2)=0.856 / -26.998 impedance = Z0 * (1.293 - j3.746)
m28 freq=2.070GHz S(2,2)=0.863 / -86.226 impedance = Z0 * (0.156 - j1.056)

Fig.6 Impedance (S22)