

Customer Name	Standard Specification	FUJITSU MEDIA DEVICES LIMITED	
System	EGSM-Rx	DATE	March 2, 2004
FMD Part Number	FAR-F5EA-942M50-D27F	Version 3.1f	

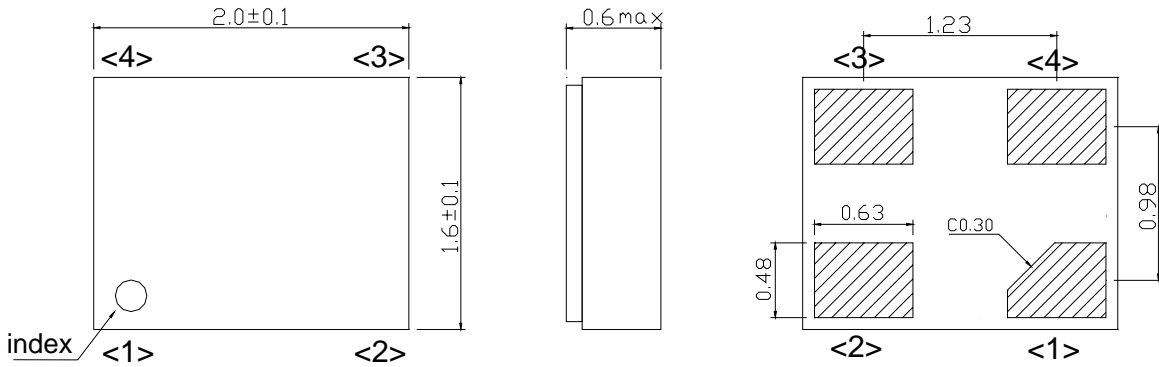
Table 1 Electrical Specification

Passband : 925 ~ 960 MHz						
Item	Condition (MHz)	Specification			Unit	Remark
		Min.	Typ.	Max.		
Insertion Loss	925 ~ 960	-	2.4	2.9	dB	
Ripple	925 ~ 960	-	1.0	1.6	dB	
Absolute Attenuation	DC ~ 890	45	52	-	dB	
	890 ~ 915	25	32	-	dB	
	980 ~ 1025	25	28	-	dB	
	1025 ~ 2000	40	45	-	dB	
	2000 ~ 4000	30	40	-	dB	
	4000 ~ 5000	20	31	-	dB	
	5000 ~ 6000	10	20	-	dB	
VSWR(Input)	925 ~ 960	-	1.9	2.2	-	
VSWR(Output)	925 ~ 960	-	1.9	2.2	-	
Input Impedance	Unbalanced	50			Ω	
Output Impedance	Unbalanced	50			Ω	
Input Power	925 ~ 960			+15	dBm	
Operating temperature		-30 ~ +85			$^{\circ}\text{C}$	
Device size		2.0typ. x 1.6typ. x 0.6max.			mm	

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Dimensions

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

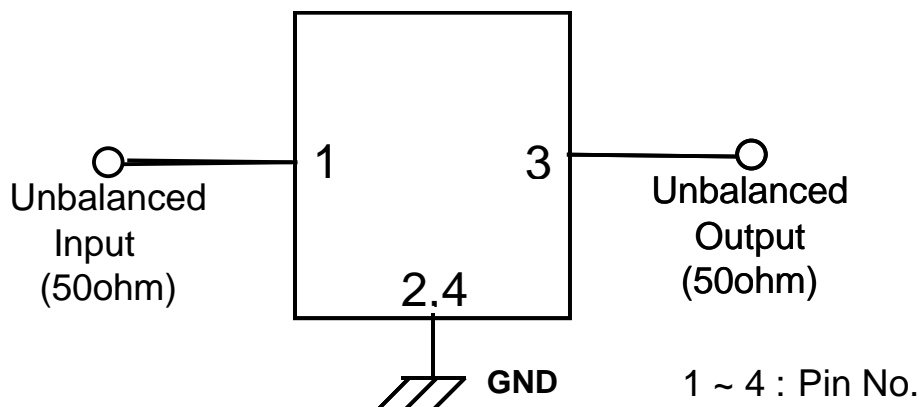


Unit : mm

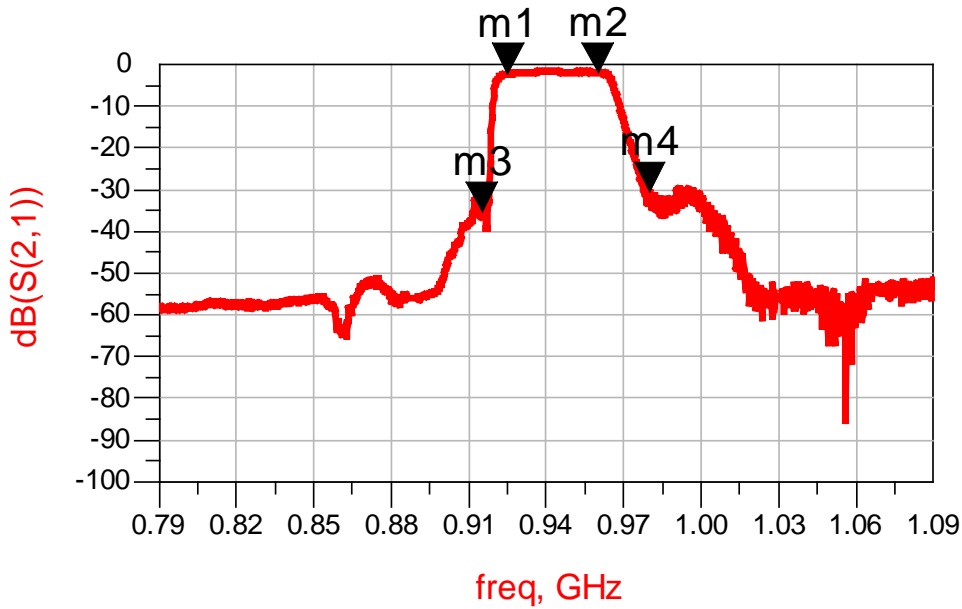
Pin Configuration

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

Evaluation Circuit

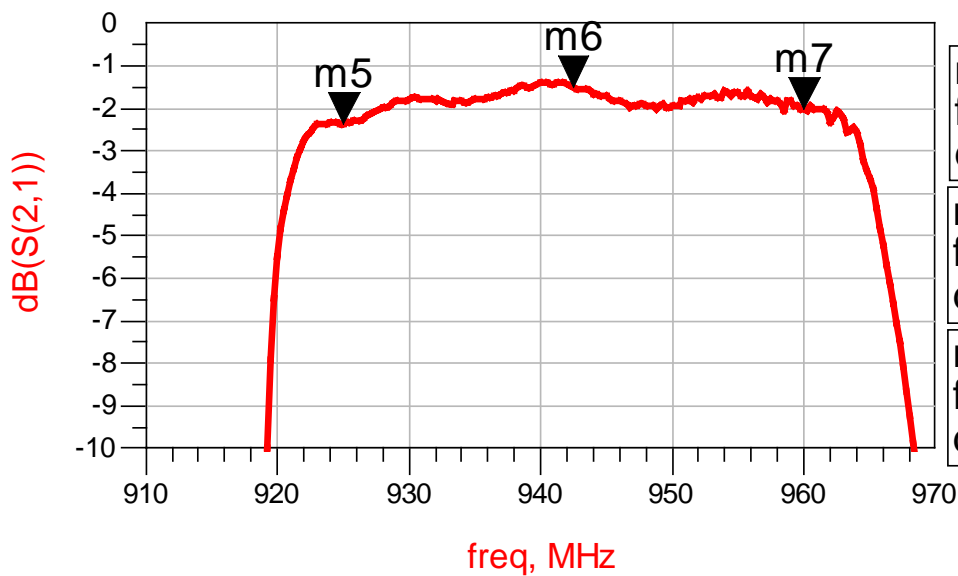


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m1	freq=925.0MHz	dB(S(2,1))=-2.369
m2	freq=960.0MHz	dB(S(2,1))=-2.024
m3	freq=915.0MHz	dB(S(2,1))=-35.481
m4	freq=980.0MHz	dB(S(2,1))=-30.741

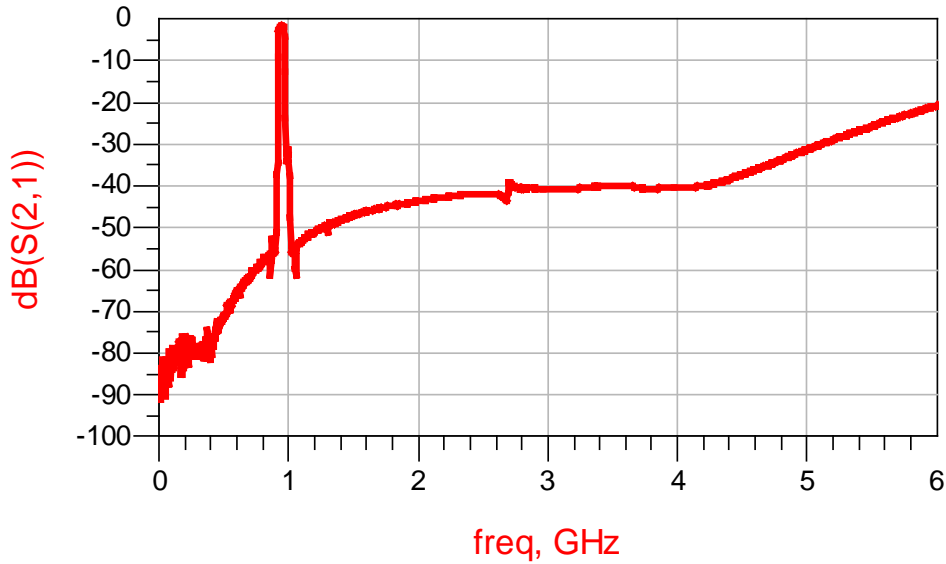
Pass-band Characteristics



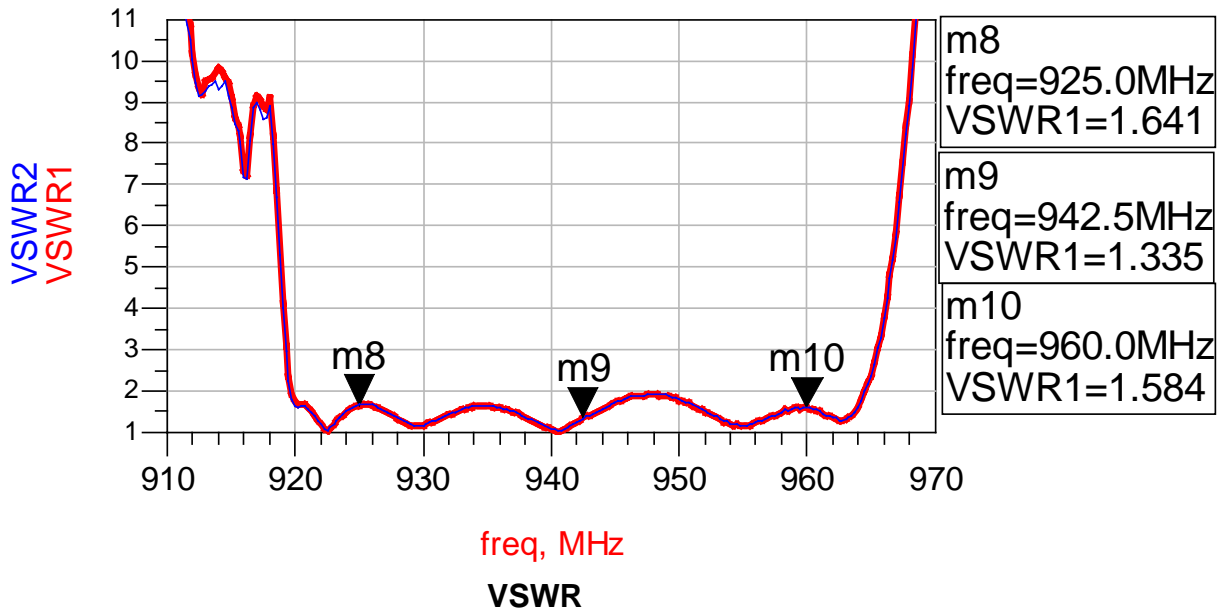
m5	freq=925.0MHz	dB(S(2,1))=-2.369
m6	freq=942.5MHz	dB(S(2,1))=-1.511
m7	freq=960.0MHz	dB(S(2,1))=-2.024

In-band Characteristics

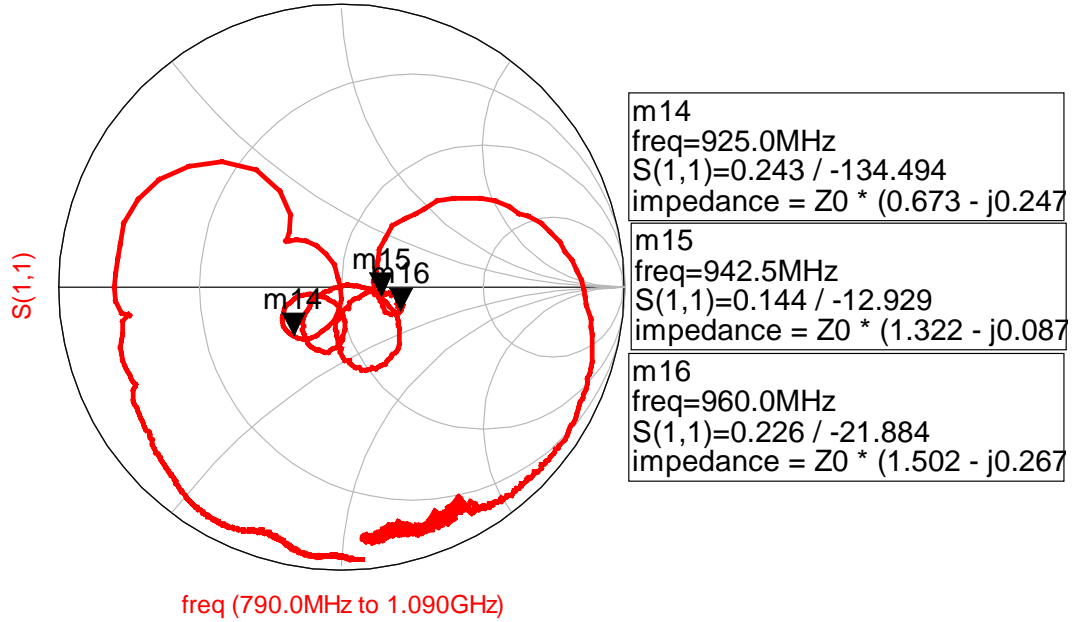
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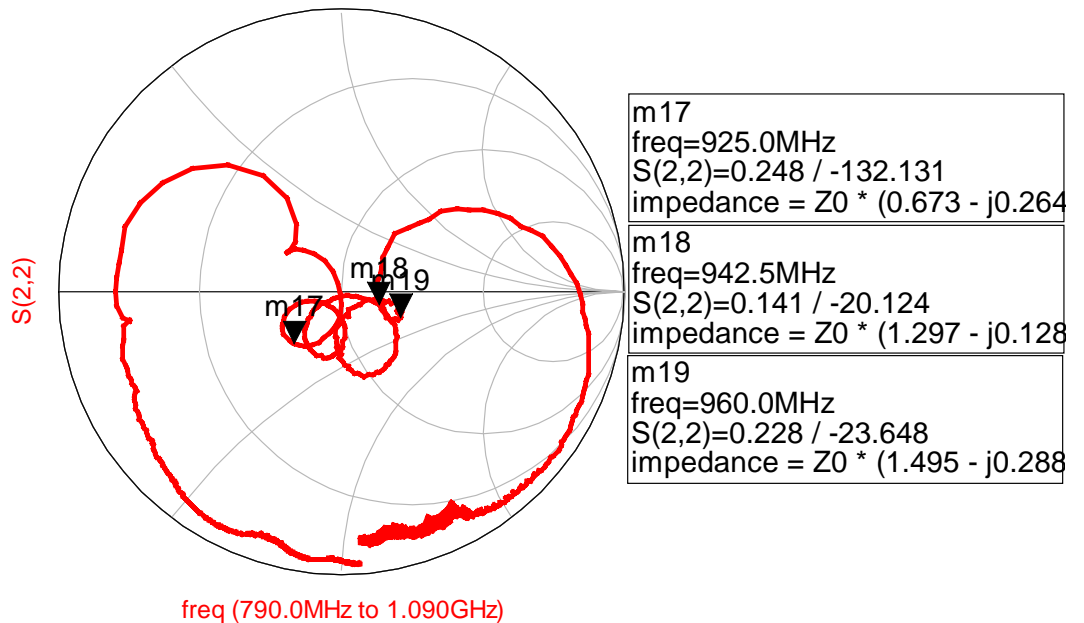
Wide-band Characteristics



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Impedance(S11)



Impedance (S22)