



Customer Name	STANDARD	FUJITSU MEDIA DEVICES LIMITE	
System	AMPS/CDMA/TDMA SAW Duplexer	DATE	Mar.26.2003
FMD P/N	FAR-D5CM-881M50-D1G1	Version 2.0b	Preliminary
Customer P/N		Reference No.	

Table 1 Electrical Specification

		Condition	FMD Current proposal		oposal	Unit
			Min	Тур.	Max	
Тх	Insertion loss	824-849MHz	-	2.0	2.5	dB
to	Pass band ripple	824-849MHz	-	0.8	1.3	dB
ANT	Pass band VSWR	824-849MHz	-	2.0	2.2	-
	Input Power	824-849 MHz	1.2 V	V >50000 He	ours	
			CW t	one (Ta=+5	0 °C)	Watt
	Attenuation	779-804MHz	20	30	-	dB
		869-894MHz	40	43	-	dB
		1648-1698MHz	35	40	-	dB
		2472-2547MHz	13	15	-	dB
ANT	Insertion loss	869-894MHz	-	2.5	3.3	dB
to	Pass band ripple	869-894MHz	-	1.0	1.5	dB
Rx	Pass band VSWR	869-894MHz	-	2.0	2.3	-
	Attenuation	824-849MHz	50	53	-	dB
		930-1200MHz	35	38	-	dB
		1200-1800MHz	35	38	-	dB
Тх	Isolation	824-849 MHz	54	57		dB
to Rx		869-894 MHz	45	47	-	dB
Storage Temperature				-40 to +100		°C
Operating Temperature				-30 to +85		°C
Package size		Length	-	5.0	5.2	mm
		Width	-	5.0	5.2	mm
		Height	-	1.5	1.7	mm



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Dimensions and Pin assignment

TOP VIEW





Pin No.	Pin name	Description
1	GND	Ground Pin
2	GND	Ground Pin
3	GND	Ground Pin
4	GND	Ground Pin
5	Rx	Receiver Pin
6	GND	Ground Pin
7	GND	Ground Pin
8	ANT	Antenna Pin
9	GND	Ground Pin
10	GND	Ground Pin
11	Tx	Transmitter Pin
12	GND	Ground Pin



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Evaluation Circuit



Recommended foot print pattern







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<u>Tx to Ant</u>







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Tx to Rx Isolation



Figure 1-2 Electrical Characteristics





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Tx Port









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Ant Port









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Rx Port









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Figure 1-6 Electrical Characteristics