

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)

Insertion Loss = -S21, -S31, -S41, -S51 (dB)

Isolation = -S24, -S34, -S45 (dB)

Output Return Loss = -S22, -S33, -S44, -S55 (dB)

TEST CONDITIONS: P_{IN} = -10 dBm @ Temperature = +25°C

FREQ (MHz)	Total Loss ¹				Amp. Unbal.	Phase Unbal.	Isolation			Return Loss				
	S-1 (dB)	S-2 (dB)	S-3 (dB)	S-4 (dB)	(dB)	(Deg.)	1-3 (dB)	2-3 (dB)	3-4 (dB)	S (dB)	1 (dB)	2 (dB)	3 (dB)	4 (dB)
1200	7.8	7.9	7.9	7.8	0.2	1.8	22.0	20.0	22.1	10.6	15.9	16.4	16.0	15.4
1225	7.6	7.8	7.7	7.6	0.2	1.8	23.0	20.8	23.0	11.5	16.2	16.7	16.4	15.7
1250	7.5	7.6	7.6	7.5	0.2	1.8	24.0	21.5	24.1	12.6	16.5	17.0	16.6	15.9
1275	7.4	7.5	7.5	7.4	0.2	1.8	25.0	22.3	25.2	13.8	16.7	17.2	16.9	16.1
1300	7.3	7.4	7.4	7.2	0.2	1.8	26.2	23.1	26.4	15.1	17.0	17.5	17.2	16.4
1325	7.2	7.3	7.3	7.2	0.2	1.9	27.4	24.0	27.7	16.5	17.2	17.7	17.5	16.6
1350	7.1	7.2	7.2	7.1	0.2	1.8	28.6	24.8	29.1	18.0	17.4	17.9	17.7	16.7
1375	7.0	7.2	7.1	7.0	0.2	1.8	29.9	25.7	30.5	19.6	17.5	18.1	17.8	16.8
1400	7.0	7.1	7.1	7.0	0.2	1.8	31.0	26.4	31.8	21.1	17.7	18.2	17.9	16.9
1425	6.9	7.1	7.0	6.9	0.2	1.9	31.8	27.1	32.8	22.3	17.7	18.2	18.0	17.0
1450	6.9	7.0	7.0	6.9	0.1	1.9	32.3	27.8	33.4	22.6	17.8	18.3	18.1	17.0
1475	6.9	7.0	6.9	6.9	0.1	1.9	32.3	28.2	33.3	22.0	17.7	18.2	18.1	17.0
1500	6.9	7.0	6.9	6.8	0.1	1.9	31.8	28.4	32.8	20.9	17.7	18.2	18.0	16.9
1525	6.9	7.0	6.9	6.8	0.1	1.9	31.1	28.5	31.9	19.7	17.6	18.1	17.9	16.8
1550	6.8	6.9	6.9	6.8	0.1	1.9	30.4	28.4	31.0	18.5	17.5	17.9	17.8	16.7
1575	6.8	6.9	6.9	6.8	0.1	1.9	29.6	28.2	30.1	17.4	17.4	17.8	17.7	16.6
1600	6.8	6.9	6.9	6.8	0.1	1.9	28.9	27.8	29.2	16.4	17.2	17.6	17.5	16.4
1625	6.8	6.9	6.9	6.8	0.1	2.0	28.2	27.4	28.5	15.6	17.1	17.4	17.3	16.3
1650	6.9	6.9	6.9	6.8	0.1	2.0	27.6	27.0	27.8	14.8	16.9	17.2	17.1	16.1
1675	6.9	6.9	6.9	6.8	0.1	2.0	27.0	26.6	27.2	14.1	16.7	17.0	16.9	15.9
1700	6.9	6.9	6.9	6.8	0.1	2.0	26.5	26.2	26.7	13.5	16.5	16.7	16.7	15.7
1725	6.9	6.9	6.9	6.9	0.1	2.1	26.1	25.8	26.2	13.0	16.3	16.5	16.5	15.5
1750	6.9	7.0	6.9	6.9	0.1	2.1	25.7	25.4	25.8	12.5	16.1	16.3	16.2	15.3
1775	6.9	7.0	6.9	6.9	0.1	2.1	25.3	25.1	25.4	12.0	15.9	16.0	16.0	15.1
1825	7.0	7.0	6.9	6.9	0.1	2.2	24.7	24.5	24.7	11.2	15.5	15.6	15.6	14.7
1875	7.0	7.0	7.0	7.0	0.1	2.3	24.2	23.9	24.2	10.6	15.1	15.1	15.1	14.3
1925	7.1	7.1	7.0	7.0	0.1	2.3	23.8	23.4	23.8	10.0	14.7	14.7	14.7	14.0
1975	7.1	7.1	7.0	7.1	0.1	2.4	23.5	23.0	23.4	9.6	14.3	14.3	14.3	13.6
2025	7.1	7.1	7.1	7.1	0.1	2.5	23.2	22.6	23.1	9.1	13.9	13.9	14.0	13.3
2075	7.2	7.2	7.1	7.1	0.1	2.6	23.0	22.3	22.9	8.8	13.6	13.5	13.6	13.0
2125	7.2	7.2	7.1	7.2	0.1	2.6	22.8	22.0	22.7	8.5	13.3	13.2	13.3	12.7
2175	7.3	7.2	7.1	7.2	0.1	2.7	22.7	21.7	22.5	8.2	13.0	12.9	13.0	12.4
2200	7.3	7.2	7.2	7.2	0.1	2.7	22.7	21.6	22.5	8.1	12.8	12.7	12.9	12.3

1. Total Loss = Single Path (S-1 or S-2 or S-3 or S-4) Insertion Loss + 6 dB Splitter Loss

Typical Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

Definitions:

Input Return Loss = -S11 (dB)

Insertion Loss = -S21, -S31, -S41, -S51 (dB)

Isolation = -S24, -S34, -S45 (dB)

Output Return Loss = -S22, -S33, -S44, -S55 (dB)

TEST CONDITIONS: $P_{IN} = -10$ dBm @ Temperature = -45°C

FREQ	Total Loss ¹				Amp.	Phase	Isolation			Return Loss				
	S-1	S-2	S-3	S-4	Unbal.	Unbal.	1-3	2-3	3-4	S	1	2	3	4
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(Deg.)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
1200	7.7	7.8	7.8	7.6	0.2	1.9	22.0	20.0	22.0	9.8	15.9	16.4	16.1	15.4
1225	7.5	7.6	7.6	7.5	0.2	1.9	22.9	20.7	23.0	10.8	16.3	16.7	16.4	15.7
1250	7.4	7.5	7.5	7.3	0.2	1.8	24.0	21.5	24.0	11.8	16.6	17.0	16.7	16.0
1275	7.2	7.4	7.3	7.2	0.2	1.8	25.1	22.3	25.2	12.8	16.8	17.3	17.0	16.3
1300	7.1	7.3	7.2	7.1	0.2	1.9	26.3	23.2	26.5	14.0	17.1	17.6	17.3	16.5
1325	7.1	7.2	7.1	7.0	0.2	1.9	27.7	24.1	27.9	15.4	17.4	17.9	17.6	16.7
1350	7.0	7.1	7.1	7.0	0.1	1.9	29.0	25.0	29.4	16.8	17.6	18.1	17.9	16.9
1375	6.9	7.0	7.0	6.9	0.1	1.9	30.5	25.9	30.9	18.2	17.7	18.3	18.1	17.0
1400	6.9	7.0	6.9	6.8	0.1	1.9	31.8	26.8	32.5	19.7	17.9	18.4	18.2	17.1
1425	6.8	6.9	6.9	6.8	0.1	1.9	32.8	27.6	33.8	21.0	18.0	18.5	18.3	17.2
1450	6.8	6.9	6.8	6.8	0.1	1.9	33.3	28.2	34.5	21.7	18.0	18.6	18.4	17.2
1475	6.8	6.9	6.8	6.7	0.1	1.9	33.1	28.7	34.2	21.7	18.0	18.6	18.4	17.2
1500	6.7	6.8	6.8	6.7	0.1	1.9	32.4	29.0	33.4	21.1	18.0	18.5	18.3	17.2
1525	6.7	6.8	6.8	6.7	0.1	1.9	31.5	29.0	32.3	20.0	17.9	18.4	18.2	17.1
1550	6.7	6.8	6.8	6.7	0.1	2.0	30.6	28.8	31.2	18.9	17.8	18.3	18.1	17.0
1575	6.7	6.8	6.8	6.7	0.1	2.0	29.7	28.5	30.2	17.8	17.6	18.1	18.0	16.9
1600	6.7	6.8	6.8	6.7	0.1	2.0	28.9	28.1	29.2	16.8	17.5	17.9	17.8	16.7
1625	6.7	6.8	6.8	6.7	0.1	2.0	28.1	27.6	28.4	15.9	17.3	17.7	17.6	16.5
1650	6.7	6.8	6.8	6.7	0.1	2.1	27.5	27.2	27.7	15.1	17.1	17.5	17.4	16.3
1675	6.8	6.8	6.8	6.7	0.1	2.1	26.9	26.7	27.1	14.4	16.9	17.2	17.2	16.1
1700	6.8	6.8	6.8	6.7	0.1	2.1	26.4	26.2	26.5	13.8	16.7	17.0	16.9	15.9
1725	6.8	6.8	6.8	6.8	0.1	2.2	25.9	25.8	26.0	13.2	16.5	16.8	16.7	15.7
1750	6.8	6.8	6.8	6.8	0.1	2.2	25.5	25.4	25.6	12.7	16.3	16.5	16.5	15.5
1775	6.8	6.9	6.8	6.8	0.1	2.2	25.1	25.1	25.2	12.2	16.0	16.3	16.2	15.3
1825	6.9	6.9	6.8	6.8	0.1	2.3	24.5	24.4	24.5	11.4	15.6	15.8	15.8	14.9
1875	6.9	6.9	6.9	6.9	0.1	2.4	24.0	23.8	24.0	10.7	15.2	15.3	15.3	14.5
1925	7.0	7.0	6.9	6.9	0.1	2.4	23.6	23.3	23.5	10.1	14.7	14.9	14.9	14.1
1975	7.0	7.0	6.9	7.0	0.1	2.5	23.2	22.9	23.2	9.6	14.3	14.4	14.5	13.7
2025	7.1	7.0	7.0	7.0	0.1	2.6	23.0	22.5	22.9	9.2	14.0	14.0	14.1	13.4
2075	7.1	7.1	7.0	7.1	0.1	2.6	22.8	22.1	22.7	8.8	13.6	13.6	13.8	13.1
2125	7.2	7.1	7.0	7.1	0.1	2.7	22.6	21.8	22.5	8.5	13.3	13.3	13.5	12.8
2175	7.2	7.1	7.1	7.2	0.1	2.8	22.5	21.6	22.3	8.2	13.0	13.0	13.1	12.5
2200	7.2	7.2	7.1	7.2	0.1	2.8	22.4	21.4	22.3	8.1	12.8	12.8	13.0	12.4

1. Total Loss = Single Path (S-1 or S-2 or S-3 or S-4) Insertion Loss + 6 dB Splitter Loss

Typical Performance Data

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Definitions:

Input Return Loss = -S11 (dB)

Insertion Loss = -S21, -S31, -S41, -S51 (dB)

Isolation = -S24, -S34, -S45 (dB)

Output Return Loss = -S22, -S33, -S44, -S55 (dB)

TEST CONDITIONS: $P_{IN} = -10$ dBm @ Temperature = +85°C

FREQ	Total Loss ¹				Amp.	Phase	Isolation			Return Loss				
	S-1	S-2	S-3	S-4			1-3	2-3	3-4	S	1	2	3	4
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(Deg.)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
1200	7.9	8.1	8.0	7.9	0.2	1.6	22.1	20.1	22.2	11.2	15.9	16.3	16.0	15.3
1225	7.8	7.9	7.8	7.7	0.2	1.6	23.0	20.8	23.1	12.3	16.1	16.6	16.2	15.6
1250	7.6	7.8	7.7	7.6	0.2	1.6	23.9	21.5	24.1	13.4	16.4	16.8	16.5	15.8
1275	7.5	7.6	7.6	7.5	0.2	1.6	25.0	22.3	25.1	14.6	16.6	17.1	16.8	16.0
1300	7.4	7.5	7.5	7.4	0.2	1.6	26.0	23.1	26.3	16.0	16.9	17.3	17.0	16.2
1325	7.3	7.4	7.4	7.3	0.2	1.6	27.2	23.9	27.5	17.5	17.1	17.5	17.2	16.4
1350	7.2	7.4	7.3	7.2	0.2	1.6	28.3	24.7	28.7	19.2	17.2	17.7	17.4	16.5
1375	7.2	7.3	7.2	7.1	0.2	1.6	29.4	25.4	30.0	20.8	17.4	17.8	17.6	16.6
1400	7.1	7.2	7.2	7.1	0.2	1.6	30.4	26.2	31.1	22.2	17.5	17.9	17.6	16.7
1425	7.1	7.2	7.1	7.0	0.1	1.6	31.2	26.8	32.0	23.0	17.5	18.0	17.7	16.7
1450	7.0	7.1	7.1	7.0	0.1	1.6	31.6	27.4	32.6	22.7	17.6	18.0	17.7	16.7
1475	7.0	7.1	7.0	7.0	0.1	1.6	31.6	27.8	32.6	21.7	17.5	17.9	17.7	16.7
1500	7.0	7.1	7.0	7.0	0.1	1.7	31.3	28.0	32.2	20.5	17.5	17.9	17.7	16.6
1525	7.0	7.1	7.0	6.9	0.1	1.7	30.8	28.1	31.5	19.2	17.4	17.8	17.6	16.5
1550	7.0	7.1	7.0	6.9	0.1	1.7	30.2	28.1	30.8	18.0	17.3	17.6	17.5	16.4
1575	7.0	7.0	7.0	6.9	0.1	1.7	29.5	27.9	30.0	17.0	17.2	17.5	17.3	16.3
1600	7.0	7.0	7.0	6.9	0.1	1.7	28.9	27.6	29.3	16.0	17.1	17.3	17.2	16.2
1625	7.0	7.0	7.0	6.9	0.1	1.8	28.3	27.3	28.6	15.2	16.9	17.1	17.0	16.0
1650	7.0	7.0	7.0	6.9	0.1	1.8	27.7	26.9	27.9	14.5	16.8	16.9	16.8	15.8
1675	7.0	7.0	7.0	6.9	0.1	1.8	27.2	26.6	27.4	13.9	16.6	16.7	16.6	15.6
1700	7.0	7.0	7.0	7.0	0.1	1.8	26.7	26.2	26.9	13.3	16.4	16.5	16.4	15.5
1725	7.0	7.0	7.0	7.0	0.1	1.9	26.3	25.8	26.4	12.8	16.2	16.3	16.2	15.3
1750	7.0	7.1	7.0	7.0	0.1	1.9	25.9	25.5	26.0	12.3	16.0	16.0	16.0	15.1
1775	7.0	7.1	7.0	7.0	0.1	1.9	25.5	25.2	25.6	11.9	15.8	15.8	15.7	14.9
1825	7.1	7.1	7.0	7.0	0.1	2.0	24.9	24.6	25.0	11.1	15.4	15.4	15.3	14.5
1875	7.1	7.1	7.1	7.1	0.1	2.0	24.4	24.0	24.4	10.5	15.0	14.9	14.9	14.2
1925	7.1	7.1	7.1	7.1	0.1	2.1	24.0	23.6	24.0	10.0	14.6	14.5	14.5	13.8
1975	7.2	7.2	7.1	7.1	0.1	2.2	23.7	23.1	23.7	9.5	14.3	14.1	14.1	13.5
2025	7.2	7.2	7.1	7.2	0.1	2.2	23.5	22.8	23.4	9.1	13.9	13.8	13.8	13.2
2075	7.3	7.2	7.2	7.2	0.1	2.3	23.3	22.4	23.1	8.8	13.6	13.4	13.5	12.9
2125	7.3	7.3	7.2	7.3	0.1	2.4	23.1	22.1	23.0	8.5	13.3	13.1	13.2	12.6
2175	7.4	7.3	7.2	7.3	0.1	2.4	23.0	21.8	22.8	8.2	13.0	12.8	12.9	12.3
2200	7.4	7.3	7.2	7.3	0.2	2.5	22.9	21.7	22.7	8.1	12.8	12.6	12.7	12.2

1. Total Loss = Single Path (S-1 or S-2 or S-3 or S-4) Insertion Loss + 6 dB Splitter Loss

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Definitions:

Input Return Loss = -S11 (dB)

Insertion Loss = -S21, -S31, -S41, -S51 (dB)

Isolation = -S24, -S34, -S45 (dB)

Output Return Loss = -S22, -S33, -S44, -S55 (dB)

TEST CONDITIONS: P_{IN} = -10 dBm @ Temperature = +105°C

FREQ	Total Loss ¹				Amp.	Phase	Isolation			Return Loss				
	S-1	S-2	S-3	S-4			1-3	2-3	3-4	S	1	2	3	4
(MHz)	(dB)	(dB)	(dB)	(dB)	(dB)	(Deg.)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
1200	7.9	8.1	8.0	7.9	0.2	1.8	22.1	20.1	22.2	11.4	15.8	16.3	15.9	15.3
1225	7.8	7.9	7.9	7.8	0.2	1.8	23.0	20.8	23.1	12.5	16.1	16.5	16.2	15.5
1250	7.6	7.8	7.7	7.6	0.2	1.8	23.9	21.5	24.1	13.6	16.3	16.8	16.5	15.7
1275	7.5	7.7	7.6	7.5	0.2	1.7	24.9	22.3	25.1	14.9	16.6	17.0	16.7	15.9
1300	7.4	7.6	7.5	7.4	0.2	1.8	26.0	23.0	26.2	16.3	16.8	17.2	16.9	16.1
1325	7.3	7.5	7.4	7.3	0.2	1.8	27.1	23.8	27.4	17.8	17.0	17.4	17.2	16.3
1350	7.3	7.4	7.3	7.2	0.2	1.8	28.2	24.6	28.6	19.5	17.1	17.6	17.3	16.4
1375	7.2	7.3	7.3	7.2	0.2	1.8	29.2	25.3	29.8	21.1	17.2	17.7	17.5	16.5
1400	7.1	7.3	7.2	7.1	0.1	1.8	30.2	26.1	30.9	22.4	17.3	17.8	17.5	16.6
1425	7.1	7.2	7.1	7.1	0.1	1.8	30.9	26.7	31.8	23.0	17.4	17.8	17.6	16.6
1450	7.1	7.2	7.1	7.0	0.1	1.8	31.4	27.2	32.3	22.6	17.4	17.8	17.6	16.6
1475	7.0	7.1	7.1	7.0	0.1	1.8	31.4	27.6	32.3	21.5	17.4	17.8	17.6	16.5
1500	7.0	7.1	7.0	7.0	0.1	1.8	31.2	27.9	32.0	20.2	17.4	17.7	17.5	16.5
1525	7.0	7.1	7.0	7.0	0.1	1.8	30.7	28.0	31.4	18.9	17.3	17.6	17.4	16.4
1550	7.0	7.1	7.0	7.0	0.1	1.8	30.1	27.9	30.7	17.8	17.2	17.5	17.3	16.3
1575	7.0	7.1	7.0	7.0	0.1	1.8	29.5	27.8	30.0	16.8	17.1	17.4	17.2	16.2
1600	7.0	7.1	7.0	7.0	0.1	1.8	28.9	27.5	29.3	15.9	16.9	17.2	17.0	16.0
1625	7.0	7.1	7.0	7.0	0.1	1.9	28.3	27.2	28.6	15.1	16.8	17.0	16.9	15.8
1650	7.0	7.1	7.0	7.0	0.1	1.9	27.7	26.9	28.0	14.4	16.6	16.8	16.7	15.7
1675	7.0	7.1	7.0	7.0	0.1	1.9	27.2	26.5	27.4	13.7	16.4	16.6	16.5	15.5
1700	7.0	7.1	7.0	7.0	0.1	1.9	26.7	26.2	26.9	13.2	16.2	16.4	16.3	15.3
1725	7.0	7.1	7.0	7.0	0.1	2.0	26.3	25.8	26.5	12.7	16.1	16.2	16.1	15.2
1750	7.0	7.1	7.0	7.0	0.1	2.0	25.9	25.5	26.1	12.2	15.9	15.9	15.9	15.0
1775	7.1	7.1	7.0	7.0	0.1	2.0	25.6	25.2	25.7	11.8	15.7	15.7	15.6	14.8
1825	7.1	7.1	7.0	7.1	0.1	2.1	25.0	24.6	25.0	11.1	15.3	15.3	15.2	14.4
1875	7.1	7.1	7.1	7.1	0.1	2.2	24.5	24.0	24.5	10.5	14.9	14.9	14.8	14.1
1925	7.2	7.2	7.1	7.1	0.1	2.2	24.1	23.6	24.1	9.9	14.5	14.5	14.4	13.7
1975	7.2	7.2	7.1	7.2	0.1	2.3	23.8	23.2	23.8	9.5	14.2	14.1	14.1	13.4
2025	7.2	7.2	7.1	7.2	0.1	2.4	23.6	22.8	23.5	9.1	13.8	13.7	13.7	13.1
2075	7.3	7.3	7.2	7.2	0.1	2.4	23.3	22.5	23.2	8.8	13.5	13.4	13.4	12.8
2125	7.3	7.3	7.2	7.3	0.1	2.5	23.2	22.2	23.0	8.5	13.2	13.0	13.1	12.5
2175	7.4	7.3	7.2	7.3	0.2	2.6	23.1	21.9	22.9	8.2	12.9	12.7	12.8	12.3
2200	7.4	7.3	7.2	7.3	0.2	2.6	23.0	21.7	22.8	8.1	12.7	12.6	12.7	12.1

1. Total Loss = Single Path (S-1 or S-2 or S-3 or S-4) Insertion Loss + 6 dB Splitter Loss