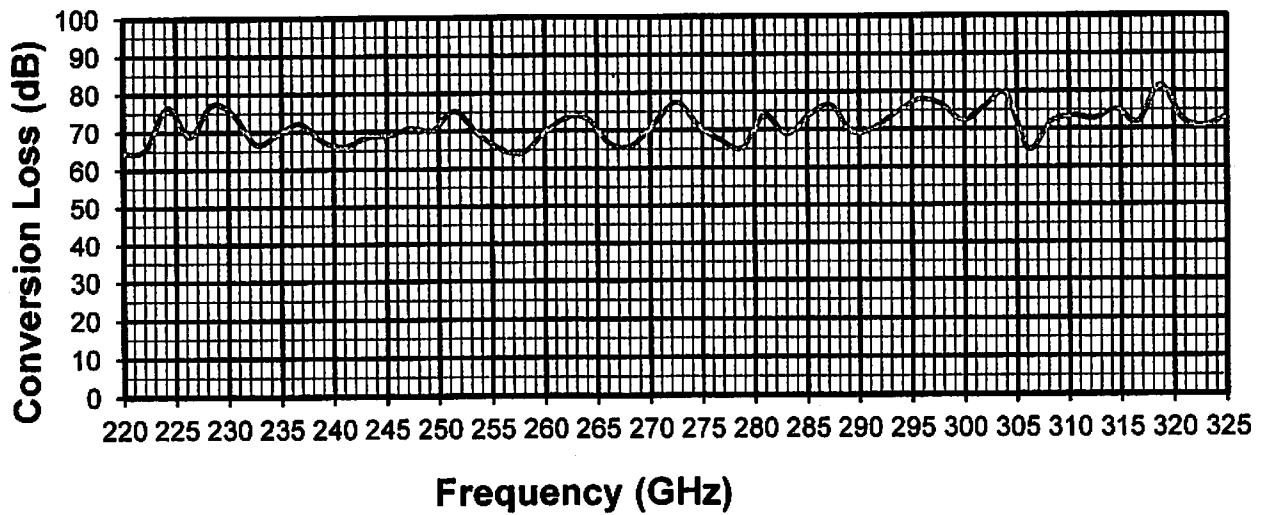


Model M03HWA

Ser No. 170615-1

06/15/2017

Conversion Loss Test Data



Optimized for Agilent PSA: R.F. = -30 dBm, L.O. = (RF+IF)/48 @ 15.5 dBm, I.F. = 321.4 MHz, Bias = 5.58 mA

OML INC.

4208417E

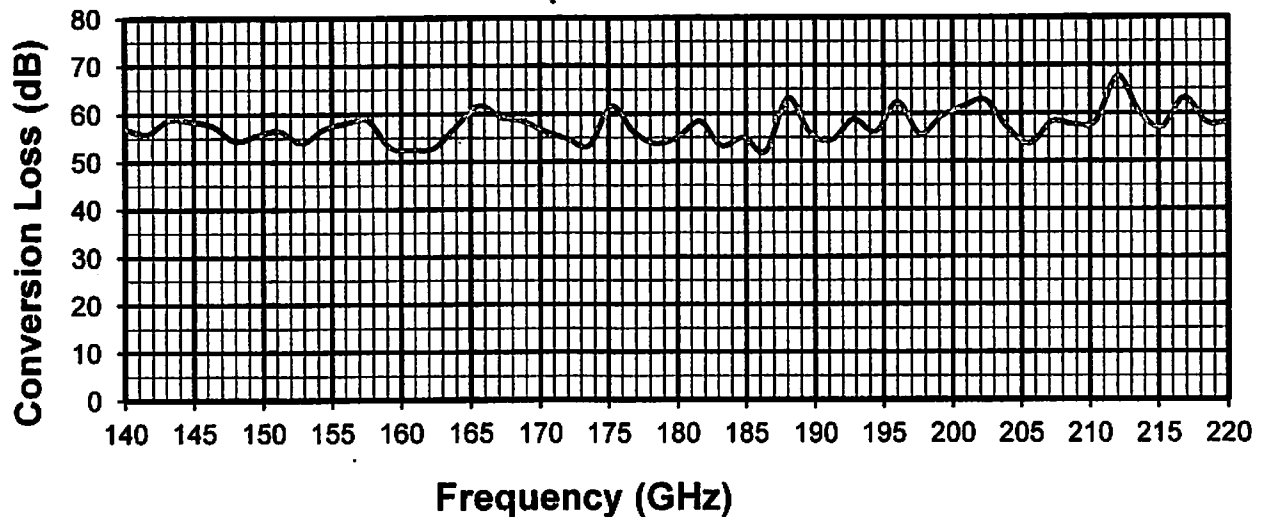
Morgan Hill, CA 95037

Model M05HWA

Ser No. 170615-1

06/15/2017

Conversion Loss Test Data



Optimized for Agilent PSA: R.F. = -30 dBm, L.O. = (RF+IF)/32 @ 15.5 dBm, I.F. = 321.4 MHz, Bias = 4.98 mA

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Morgan Hill, CA 95037

Model M03HWA**Ser No. 170615-1**

06/15/2017

Conversion Loss Test Data

Frequency (GHz)	Conversion Loss (dB)
220.00	64.32
222.10	65.65
224.20	76.68
226.30	68.93
228.40	77.30
230.50	74.67
232.60	66.83
234.70	69.45
236.80	72.22
238.90	67.47
241.00	66.15
243.10	68.55
245.20	69.00
247.30	70.92
249.40	70.39
251.50	75.42
253.60	69.44

Frequency (GHz)	Conversion Loss (dB)
255.70	65.47
257.80	64.13
259.90	69.38
262.00	73.42
264.10	73.16
266.20	66.61
268.30	66.11
270.40	71.92
272.50	77.40
274.60	71.19
276.70	67.39
278.80	65.30
280.90	73.84
283.00	68.89
285.10	73.70
287.20	76.53
289.30	69.35

Frequency (GHz)	Conversion Loss (dB)
291.40	70.57
293.50	74.52
295.60	77.90
297.70	76.76
299.80	72.42
301.90	76.00
304.00	79.33
306.10	64.76
308.20	71.77
310.30	73.50
312.40	72.79
314.50	75.18
316.60	71.96
318.70	81.62
320.80	72.53
322.90	70.98
325.00	73.26

OML INC.Traceability only available $\leq$ 110 GHz

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Morgan Hill, CA 95037

Model M05HWA**Ser No. 170615-1**

06/15/2017

Conversion Loss Test Data

Frequency (GHz)	Conversion Loss (dB)
140.00	57.02
141.60	55.99
143.20	58.97
144.80	58.57
146.40	57.57
148.00	54.52
149.60	55.76
151.20	56.58
152.80	54.09
154.40	56.96
156.00	58.17
157.60	58.76
159.20	53.05
160.80	52.60
162.40	53.04
164.00	57.59
165.60	61.74

Frequency (GHz)	Conversion Loss (dB)
167.20	59.35
168.80	58.45
170.40	56.28
172.00	54.80
173.60	53.46
175.20	61.58
176.80	56.33
178.40	53.81
180.00	55.14
181.60	58.39
183.20	53.37
184.80	55.05
186.40	52.17
188.00	63.20
189.60	55.95
191.20	54.54
192.80	58.79

Frequency (GHz)	Conversion Loss (dB)
194.40	56.26
196.00	62.40
197.60	55.80
199.20	59.42
200.80	61.54
202.40	62.76
204.00	57.03
205.60	53.70
207.20	58.29
208.80	57.69
210.40	58.40
212.00	67.67
213.60	60.17
215.20	57.10
216.80	63.21
218.40	58.13
220.00	58.13

OML INC.Traceability only available $\leq$ 110 GHz

4208417D

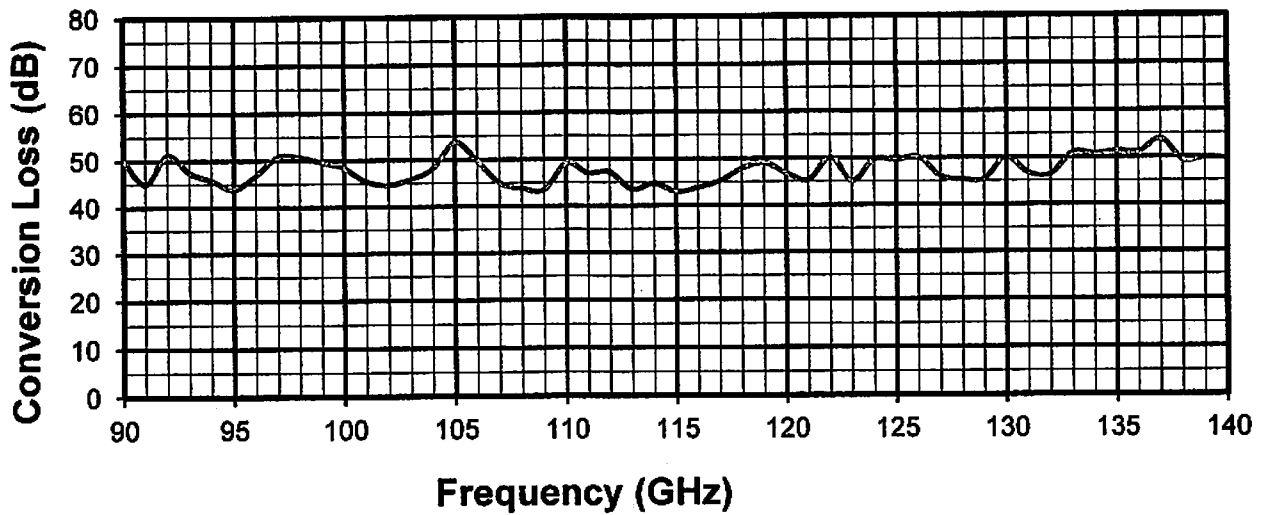
Morgan Hill, CA 95037

Model M08HWA

Ser No. 170615-1

06/15/2017

Conversion Loss Test Data



Optimized for Agilent PSA: R.F. = -30 dBm, L.O. = (RF+IF)/22 @ 15.5 dBm, I.F. = 321.4 MHz, Bias = 1.99 mA

OML INC.

4208417C

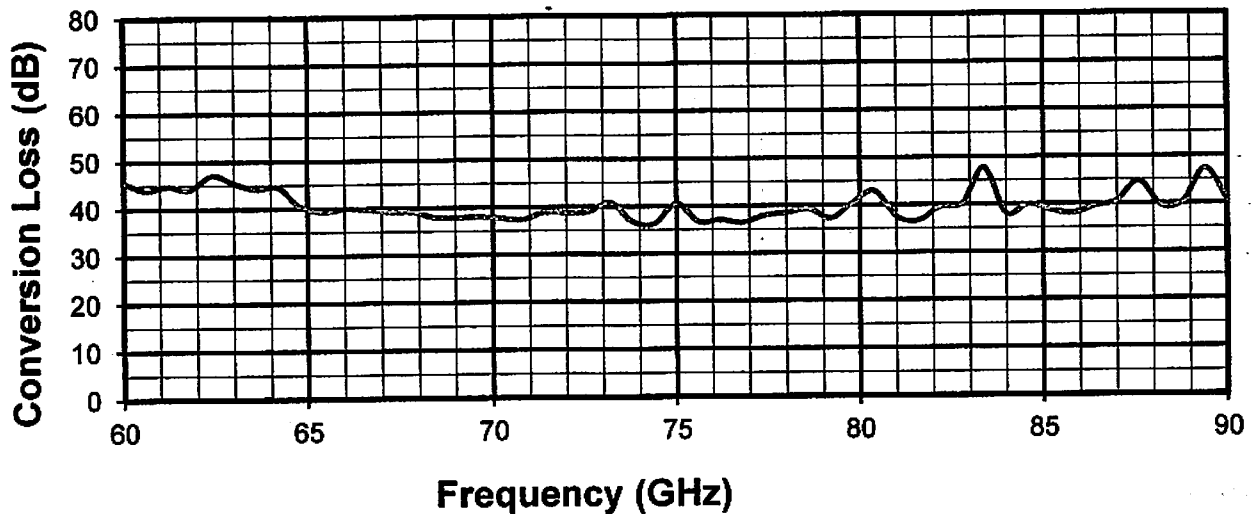
Morgan Hill, CA 95037

Model M12HWA

Ser No. 170615-1

06/15/2017

Conversion Loss Test Data



Optimized for Agilent PSA: R.F. = -30 dBm, L.O. = (RF+IF)/16 @ 15.5 dBm, I.F. = 321.4 MHz, Bias = 2.86 mA

OML INC.

4208417B

Morgan Hill, CA 95037

Model M08HWA**Ser No. 170615-1**

06/15/2017

Conversion Loss Test Data

Frequency (GHz)	Conversion Loss (dB)
90.00	50.07
91.00	45.08
92.00	51.24
93.00	47.52
94.00	45.81
95.00	43.92
96.00	46.92
97.00	50.86
98.00	50.76
99.00	49.62
100.00	48.33
101.00	45.48
102.00	44.71
103.00	46.00
104.00	48.29
105.00	53.79
106.00	49.64

Frequency (GHz)	Conversion Loss (dB)
107.00	45.03
108.00	43.86
109.00	43.55
110.00	49.23
111.00	47.12
112.00	47.27
113.00	43.52
114.00	44.86
115.00	42.97
116.00	43.89
117.00	45.27
118.00	47.93
119.00	49.08
120.00	46.86
121.00	45.43
122.00	50.21
123.00	45.17

Frequency (GHz)	Conversion Loss (dB)
124.00	49.80
125.00	49.58
126.00	50.20
127.00	46.09
128.00	45.44
129.00	45.54
130.00	50.08
131.00	46.72
132.00	46.50
133.00	51.03
134.00	50.75
135.00	51.38
136.00	51.18
137.00	53.89
138.00	49.28
139.00	49.92
140.00	49.78

OML INC.Traceability only available $\leq$ 110 GHz

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Morgan Hill, CA 95037

Model M12HWA**Ser No. 170615-1**

06/15/2017

Conversion Loss Test Data

Frequency (GHz)	Conversion Loss (dB)
60.00	45.62
60.60	43.98
61.20	44.88
61.80	44.14
62.40	47.13
63.00	45.47
63.60	44.18
64.20	44.54
64.80	40.52
65.40	39.33
66.00	39.95
66.60	39.80
67.20	39.21
67.80	39.19
68.40	38.03
69.00	37.92
69.60	38.08

Frequency (GHz)	Conversion Loss (dB)
70.20	37.76
70.80	37.45
71.40	38.92
72.00	38.78
72.60	38.96
73.20	40.92
73.80	36.79
74.40	36.38
75.00	40.58
75.60	36.67
76.20	37.10
76.80	36.47
77.40	37.94
78.00	38.47
78.60	39.23
79.20	37.29
79.80	40.49

Frequency (GHz)	Conversion Loss (dB)
80.40	42.94
81.00	37.51
81.60	36.76
82.20	39.55
82.80	40.29
83.40	47.78
84.00	38.09
84.60	39.98
85.20	38.74
85.80	38.00
86.40	39.55
87.00	40.63
87.60	44.74
88.20	39.58
88.80	40.39
89.40	47.32
90.00	40.59

OML INC.Traceability only available $\leq$ 110 GHz

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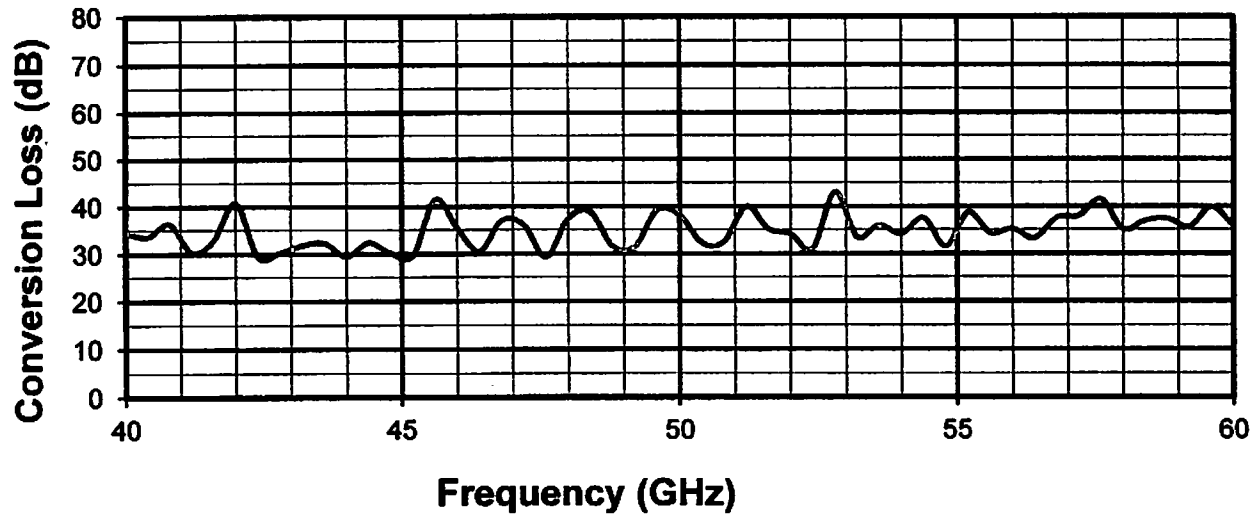
Morgan Hill, CA 95037

Model M19HWA

Ser No. 170615-1

06/15/2017

Conversion Loss Test Data



Optimized for Agilent PSA: R.F. = -30 dBm, L.O. = $(RF+IF)/10$ @ 15.5 dBm, I.F. = 321.4 MHz, Bias = 5.61 mA

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Morgan Hill, CA 95037

Model M19HWA**Ser No. 170615-1**

06/15/2017

Conversion Loss Test Data

Frequency (GHz)	Conversion Loss (dB)
40.00	34.47
40.40	33.64
40.80	36.33
41.20	30.41
41.60	32.89
42.00	40.94
42.40	29.52
42.80	30.29
43.20	31.82
43.60	32.32
44.00	29.52
44.40	32.43
44.80	30.22
45.20	29.70
45.60	41.65
46.00	35.48
46.40	30.56

Frequency (GHz)	Conversion Loss (dB)
46.80	37.06
47.20	36.17
47.60	29.34
48.00	37.51
48.40	38.89
48.80	31.62
49.20	31.53
49.60	39.27
50.00	38.21
50.40	32.28
50.80	32.52
51.20	40.05
51.60	35.21
52.00	34.10
52.40	31.02
52.80	43.12
53.20	33.49

Frequency (GHz)	Conversion Loss (dB)
53.60	35.98
54.00	34.12
54.40	37.55
54.80	31.48
55.20	38.76
55.60	34.31
56.00	35.21
56.40	33.28
56.80	37.60
57.20	38.04
57.60	41.61
58.00	35.09
58.40	36.96
58.80	37.42
59.20	35.63
59.60	39.90
60.00	35.76

OML INC.Traceability only available $\leq$ 110 GHz

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