



台灣安潔電子股份有限公司
Taiwan Anjie Electronics Co., Ltd

承認書

APPROVAL SHEET

Customer: 凱碩
Customer Model No.: 2AN-C901BK05PDR
Part No.: AJMP1J-C0002
Product Description: Antenna Internal 2.4GHz I-pex
1.13/60mm (Gray)
Issue Date: 20150127
REV.: A

客戶承認用印	安潔承認用印

核准	審核	承辦
		Jane

Taiwan Anjie Electronics Co., Ltd
台灣安潔電子股份有限公司

ADD: No.169, Sec. 1, Zhonghua Rd., Hsinchu City 300, Taiwan (R.O.C.)
地址:新竹市中華路一段169號1F

TEL: 886-3-5336083 FAX:886-3-5336097
電話:886-3-5336083 傳真:886-3-5336097



Table of Contents

Item

1. Drawing

2. Test Report

- Electrical test
 - Pattern test
 - Antenna Gain and Efficiency
-

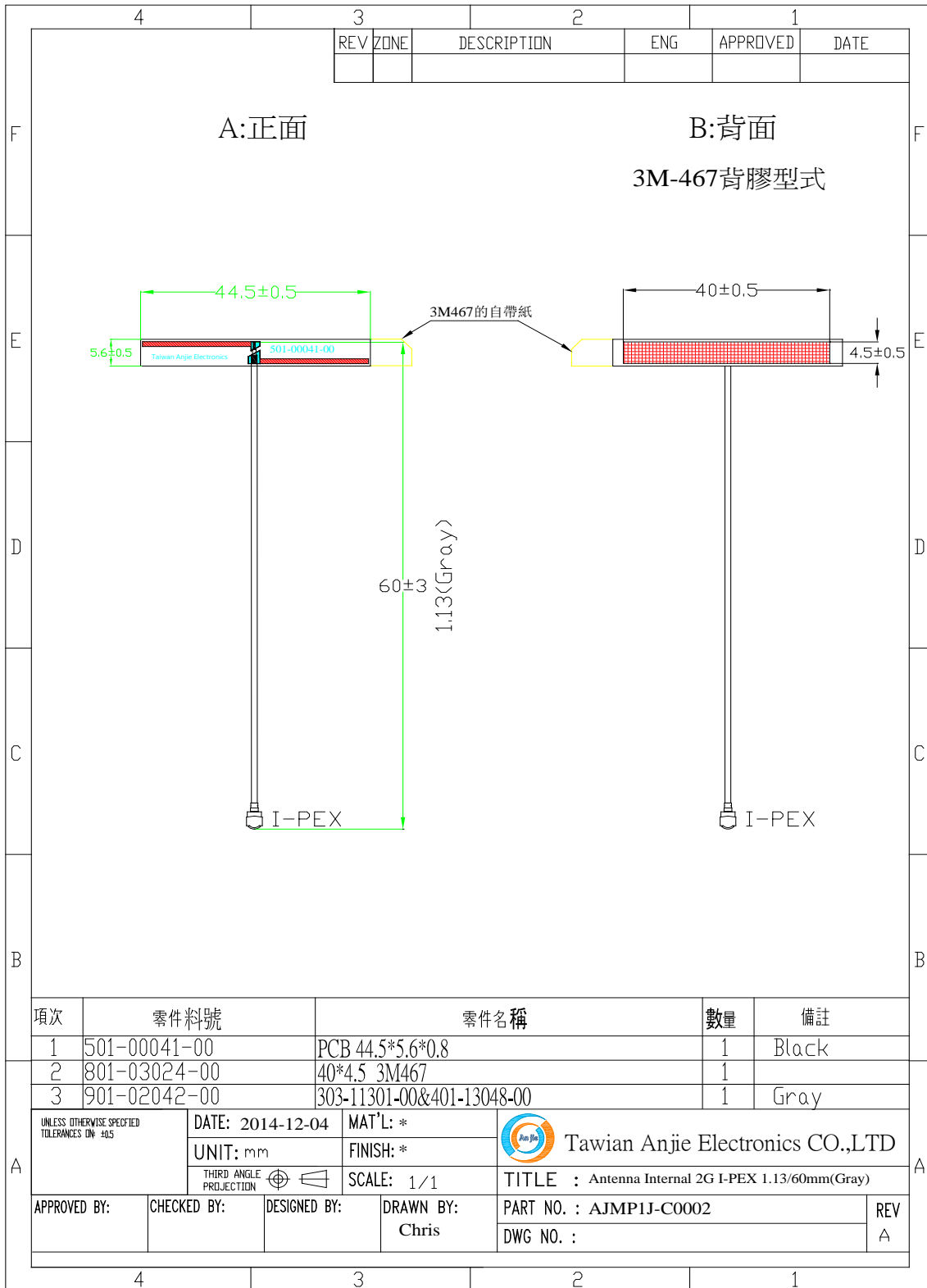
3. Material Certifications

- Antenna
IPEX
-



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Drawings



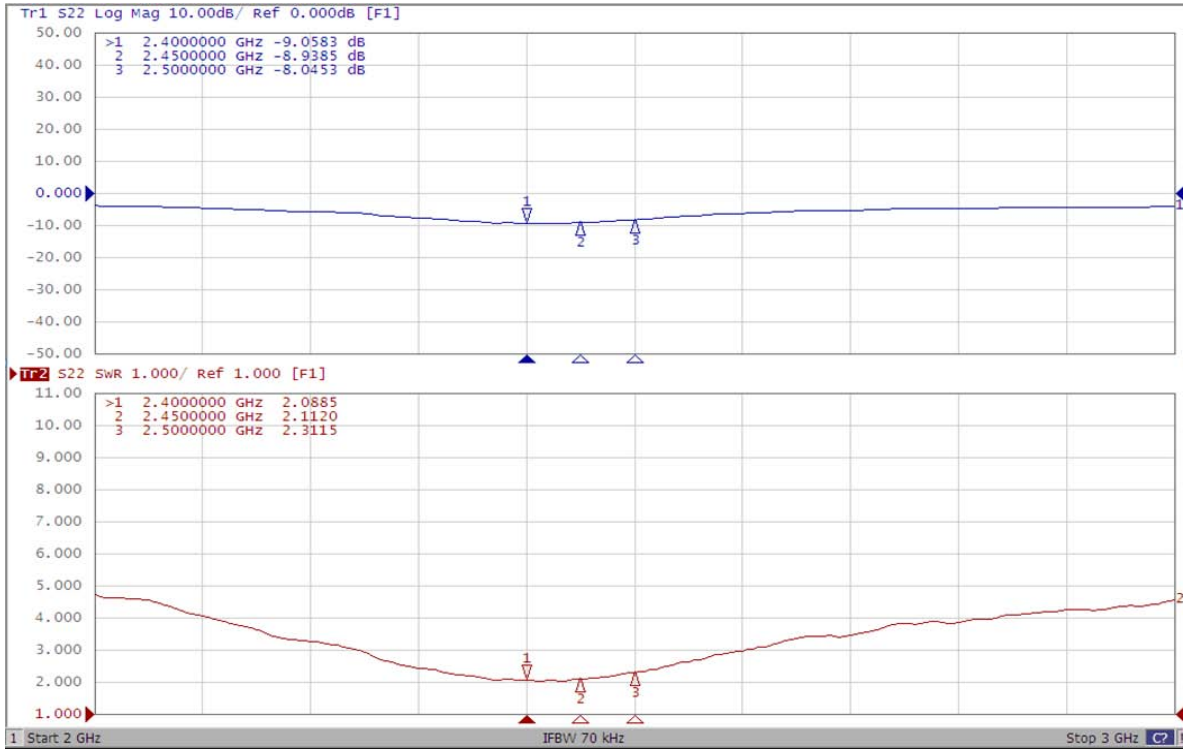


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SPECIFICATION			
Frequency Range	2400MHz	2450MHz	2500MHz
Impedance	50Ω		
V.S.W.R	≤2.0	≤ 2.0	≤2.0
Peak Gain	3.2dBi		



Electrical test

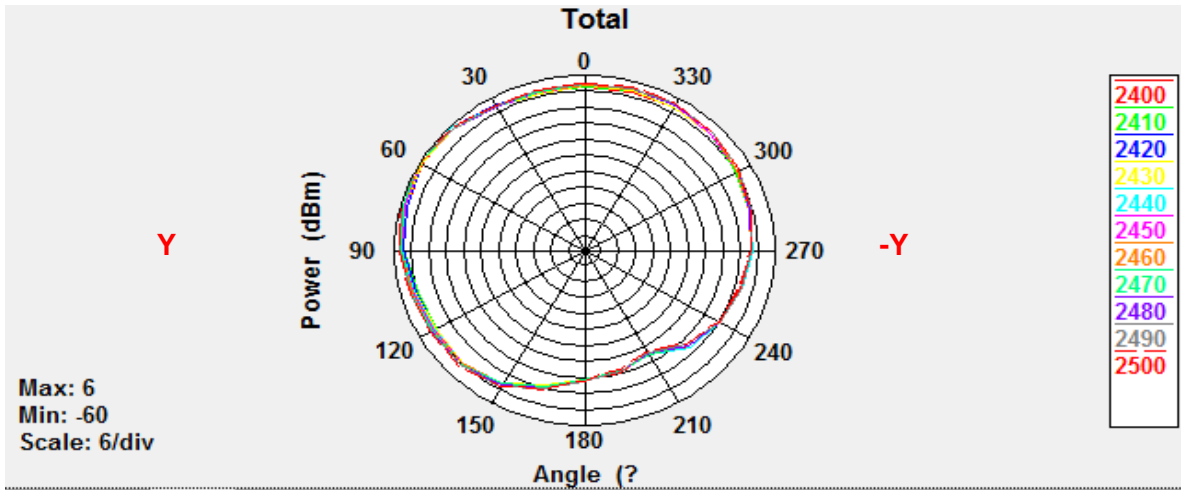




2D Pattern Test

X-Y

X



-X

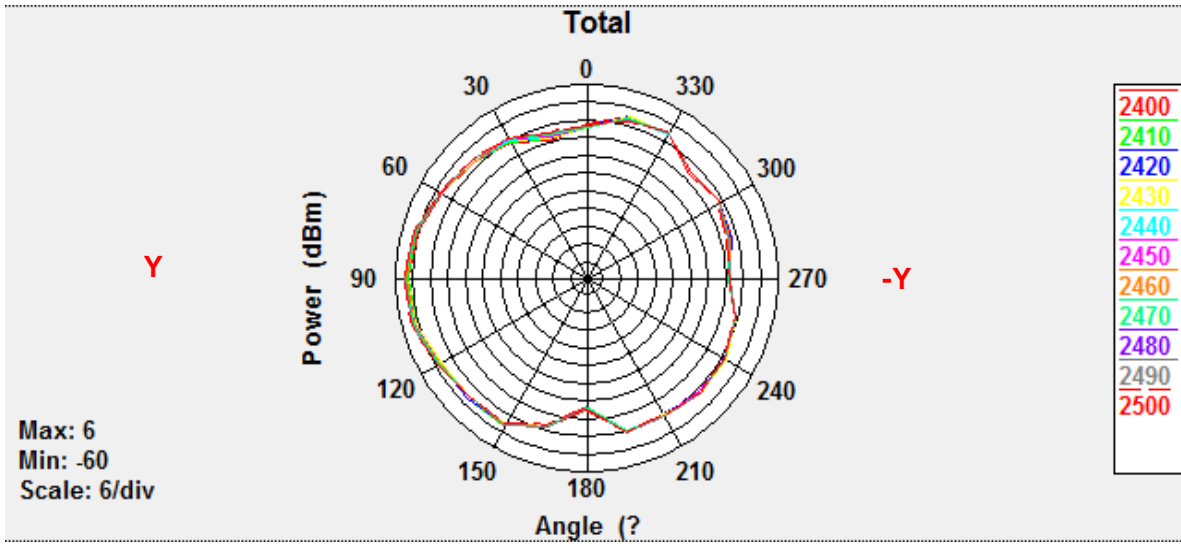
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	4.33	4.44	4.7	4.8	5.11	5.27	5.46	5.66	5.82	5.94	5.93
Average Gain (dB)	-0.13	-0.03	0.11	0.11	0.31	0.36	0.52	0.71	0.87	1.05	1.1



2D Pattern Test

Y-Z

Z



-Z

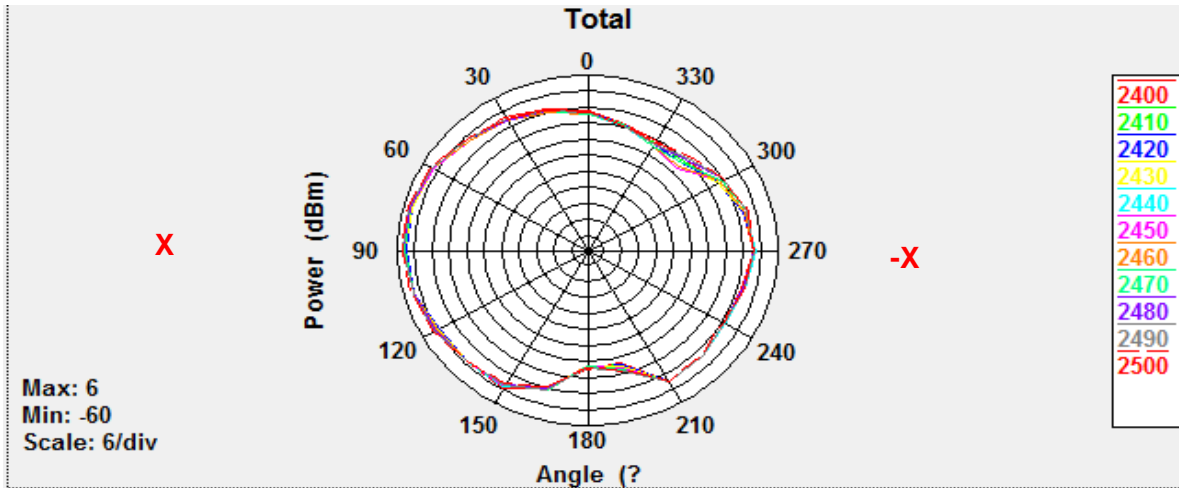
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1	1.18	1.37	1.34	1.54	1.58	1.77	1.94	2	2.2	2.27
Average Gain (dB)	-4.26	-4.24	-4.17	-4.21	-4.1	-4.09	-4.02	-3.92	-3.83	-3.76	-3.78



2D Pattern Test

Z-X

Z



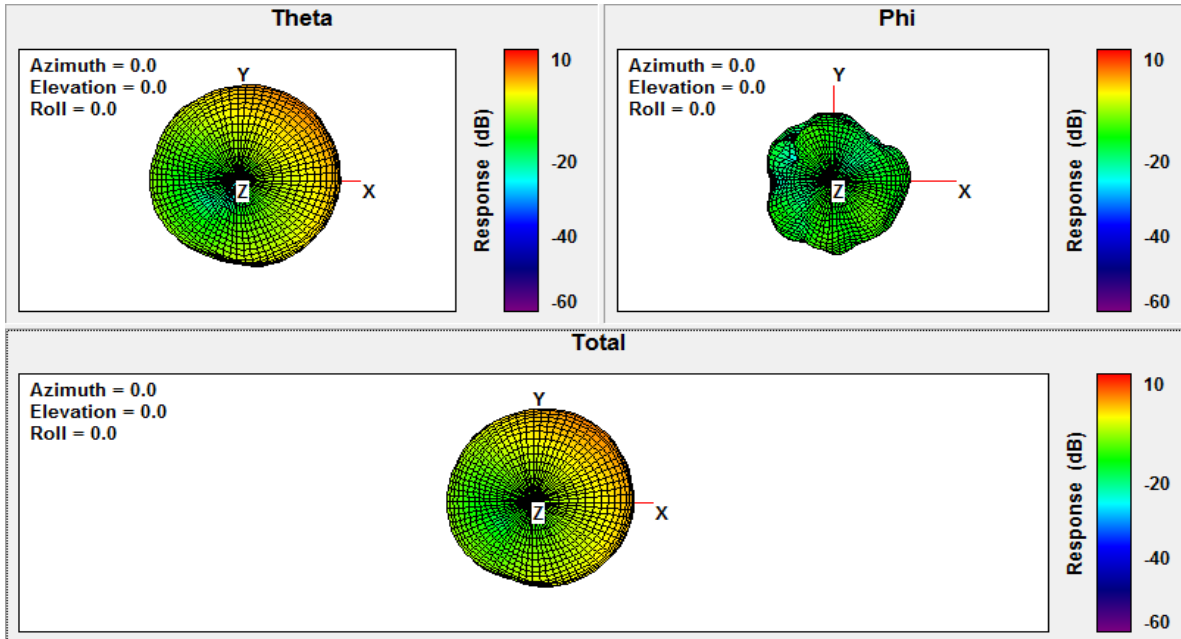
-Z

Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	2.64	2.64	2.74	2.67	2.85	2.9	3	3.17	3.3	3.42	3.56
Average Gain (dB)	-2.7	-2.72	-2.69	-2.76	-2.65	-2.65	-2.56	-2.43	-2.3	-2.17	-2.15



3D Radiation patterns

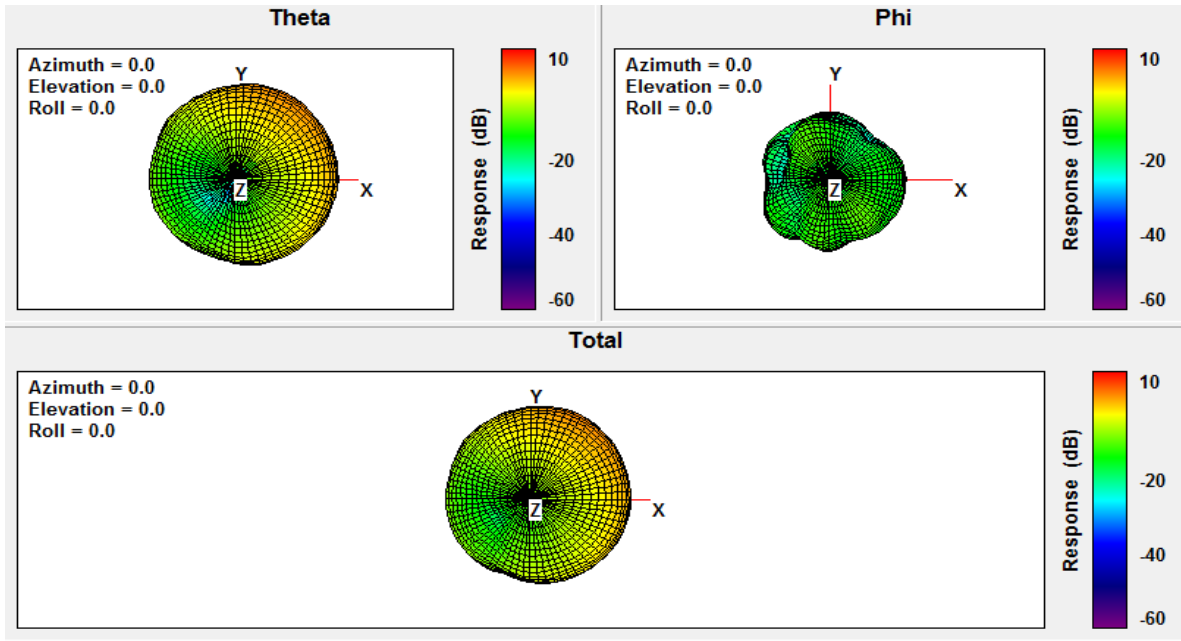
2400MHz





3D Radiation patterns

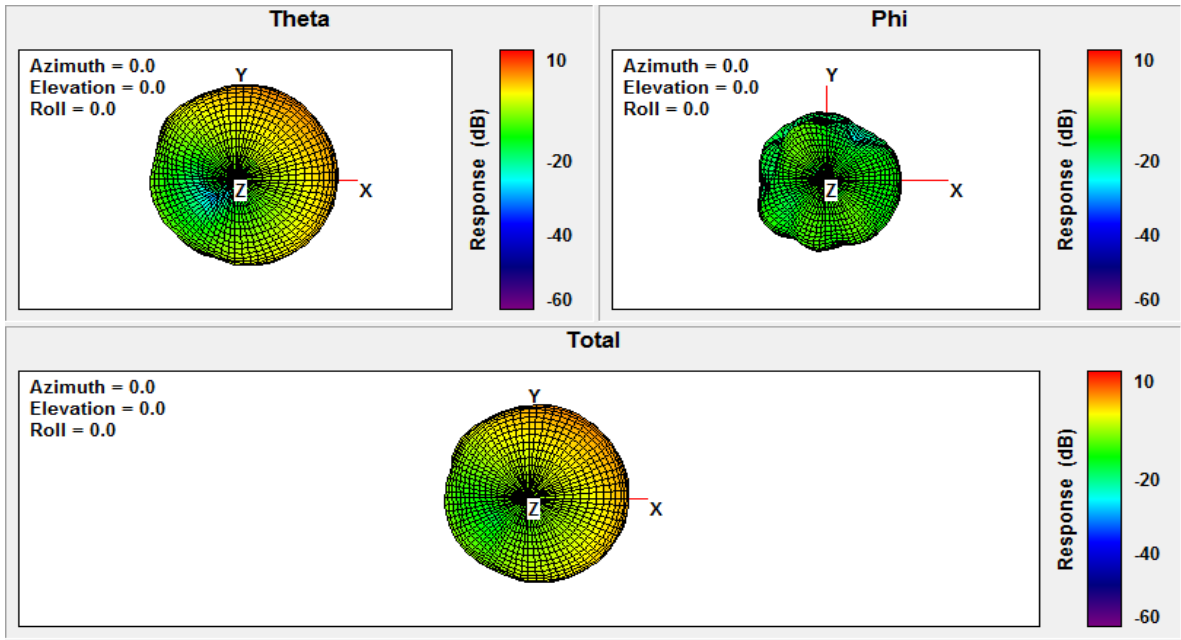
2450MHz





3D Radiation patterns

2500MHz





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Antenna Gain and Efficiency

Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	3.11	3.12	2.98	2.91	2.83	2.71	2.61	2.54	2.41	2.4	2.45
Directivity (dBi)	5.21	5.25	5.11	5.1	4.96	4.88	4.72	4.58	4.4	4.33	4.41
Efficiency (dB)	-2.1	-2.13	-2.13	-2.19	-2.13	-2.17	-2.11	-2.03	-1.99	-1.93	-1.96
Efficiency (%)	61.7	61.28	61.24	60.4	61.18	60.63	61.48	62.62	63.22	64.15	63.8



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Product photo





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I-Pex conn.

