

SZ30253-2400~2483.5MHz



Features & Applications:

-  Bluetooth devices
-  Microphone
-  LDS
-  IEEE 802.11b/g/n devices

ELECTRICAL SPECIFICATIONS @ 25°C

General Specifications		
Antenna type	Nominal Impedance	Polarization
PIFA	50Ω	Linear
Frequency (MHz)	2400~2483.5MHz	
Return loss	<-7	
Efficiency(%)	>40%	
Gain (dBi)	2.0 to 3.2 dBi	

MECHANICAL SPECIFICATIONS

SZ30253

Dimension (Length x Width x Height)	Material	Color	Antenna Type	Weight
12.29mmx6.34mmx5.69mm	PC	Black	LDS	2g

ENVIRONMENTAL SPECIFICATIONS

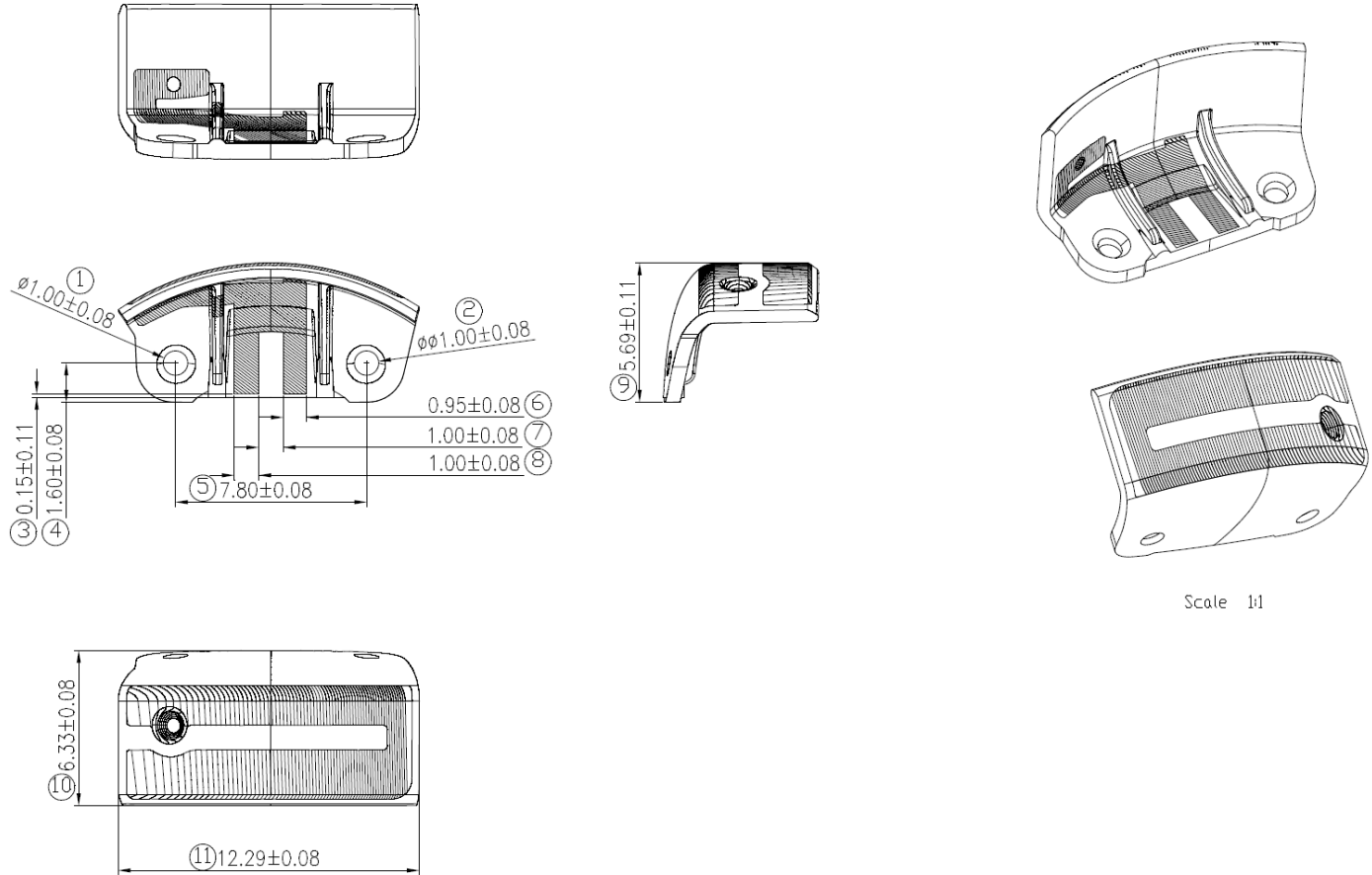
SZ30253

Storage Temperature	Operating Temperature	RoHS Compliant
-40/+85° C	-40/+85° C	Yes

Manufacturer: Shenzhen Hollyland Technology Co., Ltd.
 Address: 8F, Building 5D, Skyworth Innovation Valley,
 Tangtou Road, Shiyao Street, Baoan District, Shenzhen,
 518055 China

Mechanical Drawing

SZ30253



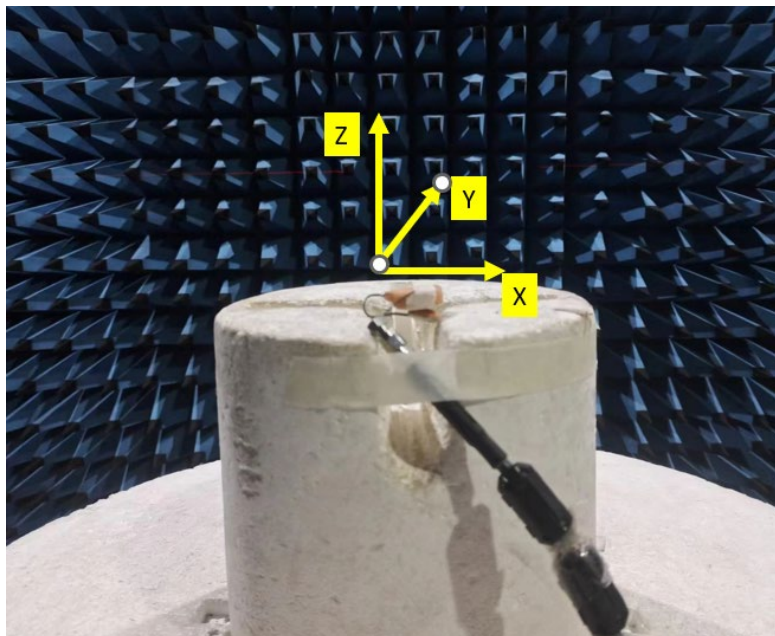
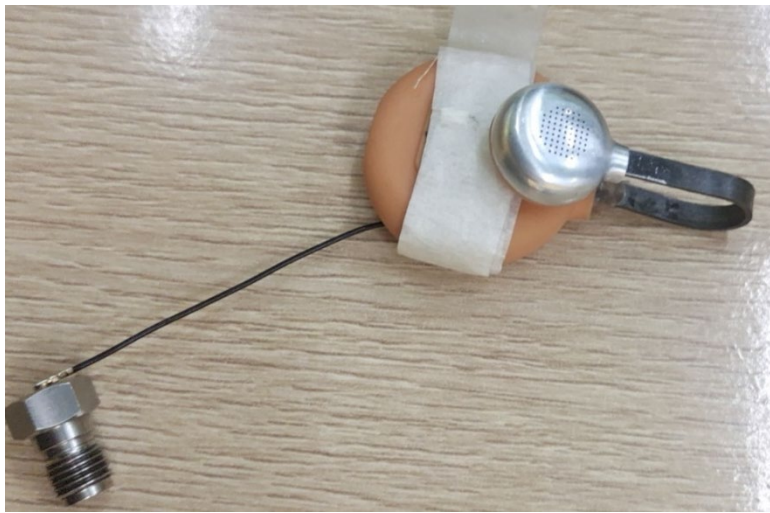
Dimensions: mm

Notes:

1、材质:SABIC PC DX11355

Test setup

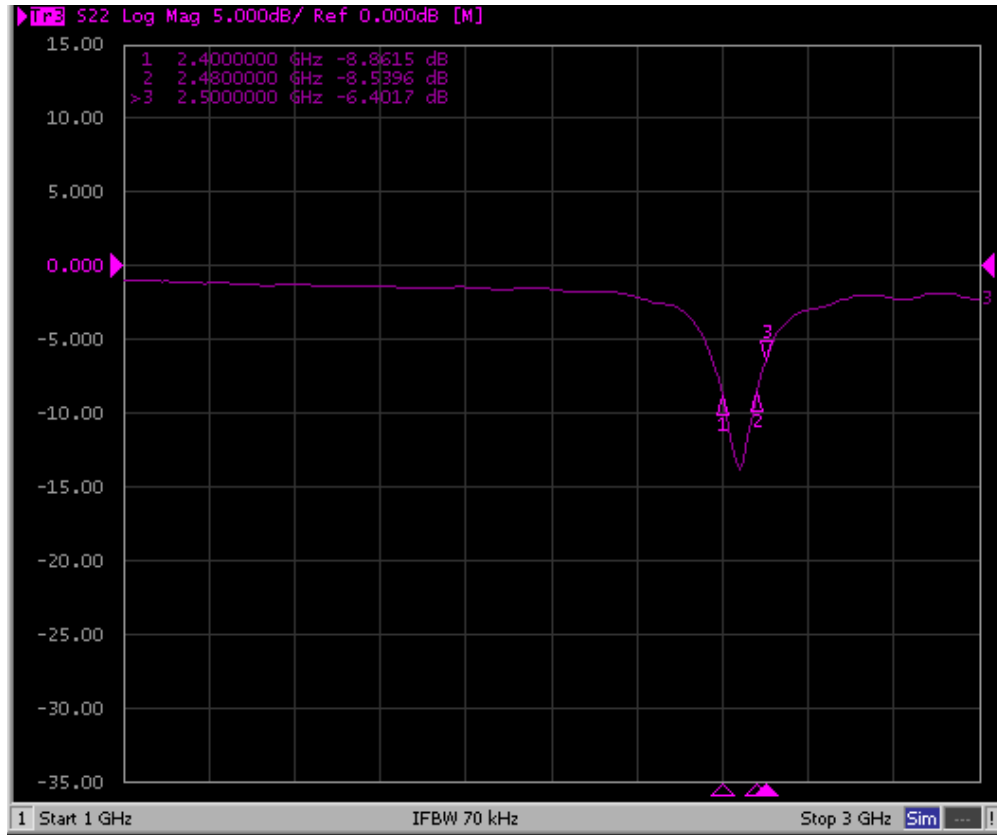
SZ30253



SZ30253-2400~2483.5MHz

Charts- Antenna Return loss & VSWR

SZ30253



Charts- Efficiency & Peak Gain

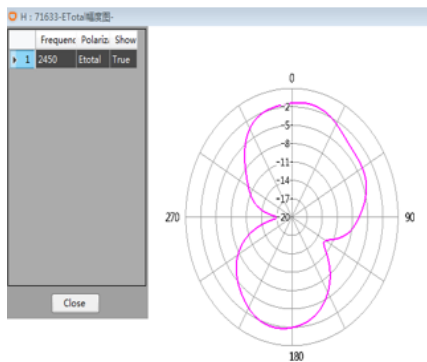
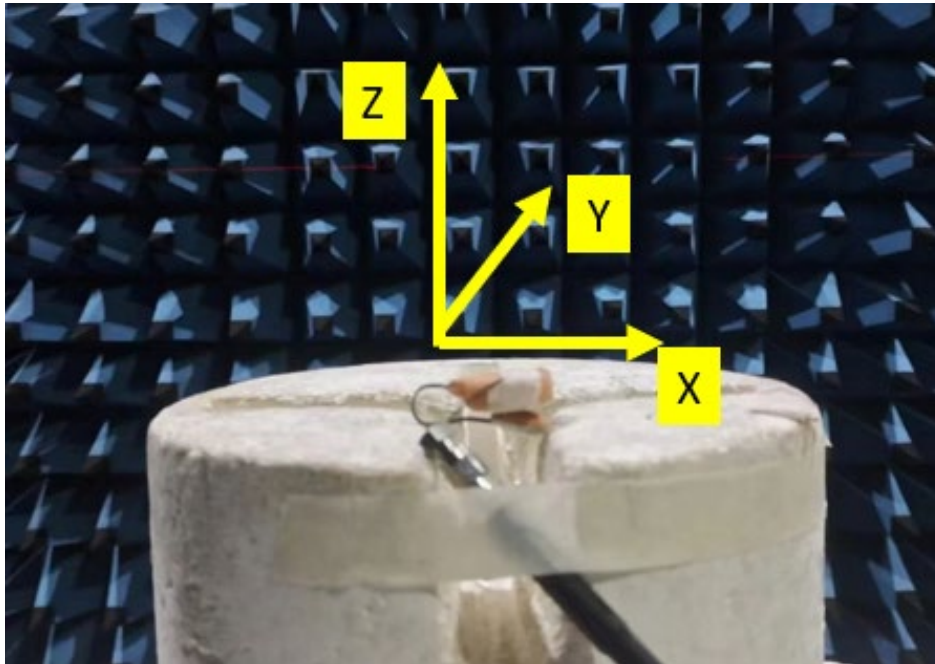
SZ30253

频率(MHz)	增益(dBi)	效率(dB)	效率(%)
2350	0.82	-6.24	23.79
2360	0.96	-6.08	24.64
2370	1.49	-5.60	27.54
2380	1.77	-5.22	30.06
2390	2.02	-4.90	32.38
2400	2.41	-4.61	34.57
2410	2.95	-4.38	36.49
2420	3.28	-4.14	38.57
2430	3.43	-4.00	39.83
2440	3.51	-3.89	40.86
2450	3.39	-3.91	40.66
2460	3.34	-3.86	41.09
2470	2.99	-3.99	39.89
2480	2.75	-4.09	38.96
2490	2.3	-4.46	35.82
2500	2.17	-4.63	34.46
2510	1.77	-5.09	30.96
2520	1.74	-5.20	30.18
2530	1.24	-5.66	27.17
2540	1.09	-5.73	26.7

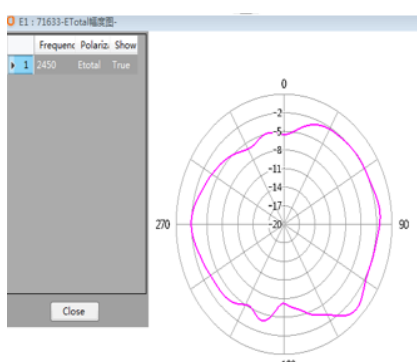
SZ30253-2400~2483.5MHz

Charts – Antenna Radiation Gain Pattern

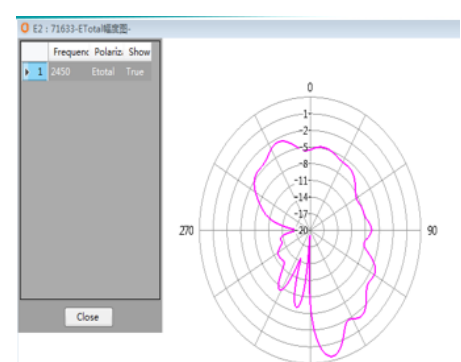
SZ30253



theta90 (XOY面)



phi0 (XOZ面)



Phi90 (YOZ面)

For More Information:

Americas - antennas.us@pulseelectronics.com | Europe - antennas.eu@pulseelectronics.com | Asia - antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA
 Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright , 2020. Pulse Electronics, Inc. All rights reserved.
 Company address: Pulse Electronics, a YAGEO Company, 15255 Innovation Drive, Suite #100, San Diego, CA 92128

'YAGEO Corporation and its affiliates do not recommend the use of commercial, automotive, and/or COTS grade products for high reliability applications or manned space flight.'

-END-