

WIFI Antenna

SZ3147A – 2400-2500 / 5150-7125MHz



ELECTRICAL SPECIFICATIONS @ 25°C

General Specifications

Antenna type	Nominal Impedance	Polarization	Radiation pattern
PIFA	50Ω	Linear	Omni

Frequency	2400-2500 MHz	5150-7125 MHz
Return Loss	< -10 dB	< -10 dB
Gain	>1.7 dBi	>2 dBi
Efficiency	>40%	>35%

MECHANICAL SPECIFICATIONS

SZ3147A

Dimension (Radiator) (Length x Width x Height)	Color	Cable OD	Connector Type	Cable length
40.00* 11.40*T0.13 mm	Black	1.13mm	IPEX MHF 4L	350mm

ENVIRONMENTAL SPECIFICATIONS

SZ3147A

Storage Temperature	Operating Temperature	Ingress Protection	RoHS Compliant
-40/+85° C	-40/+85° C	N/A	Yes

Notes:

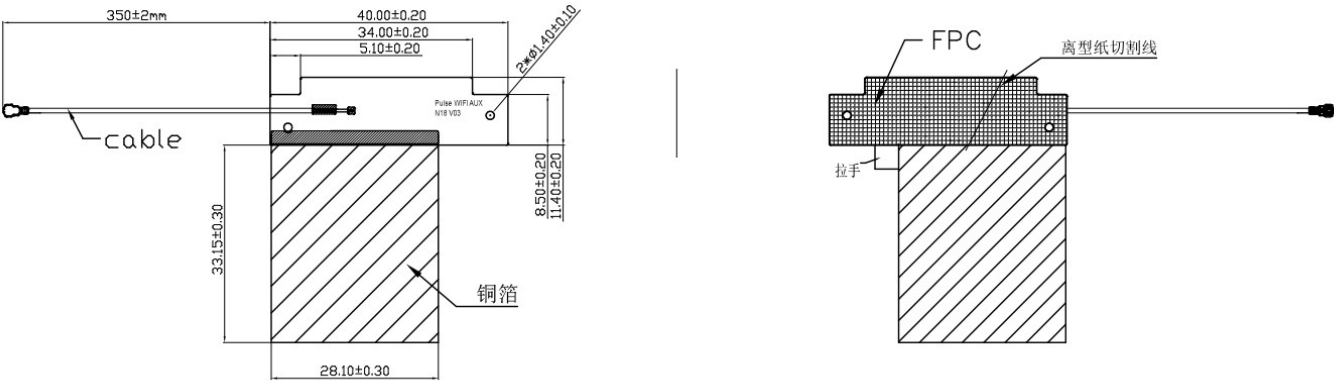
1. Storage Temperature: -40°C to 80°C

WIFI Antenna

SZ3147A – 2400-2500 / 5150-7125MHz

Mechanical Drawing

SZ3147A

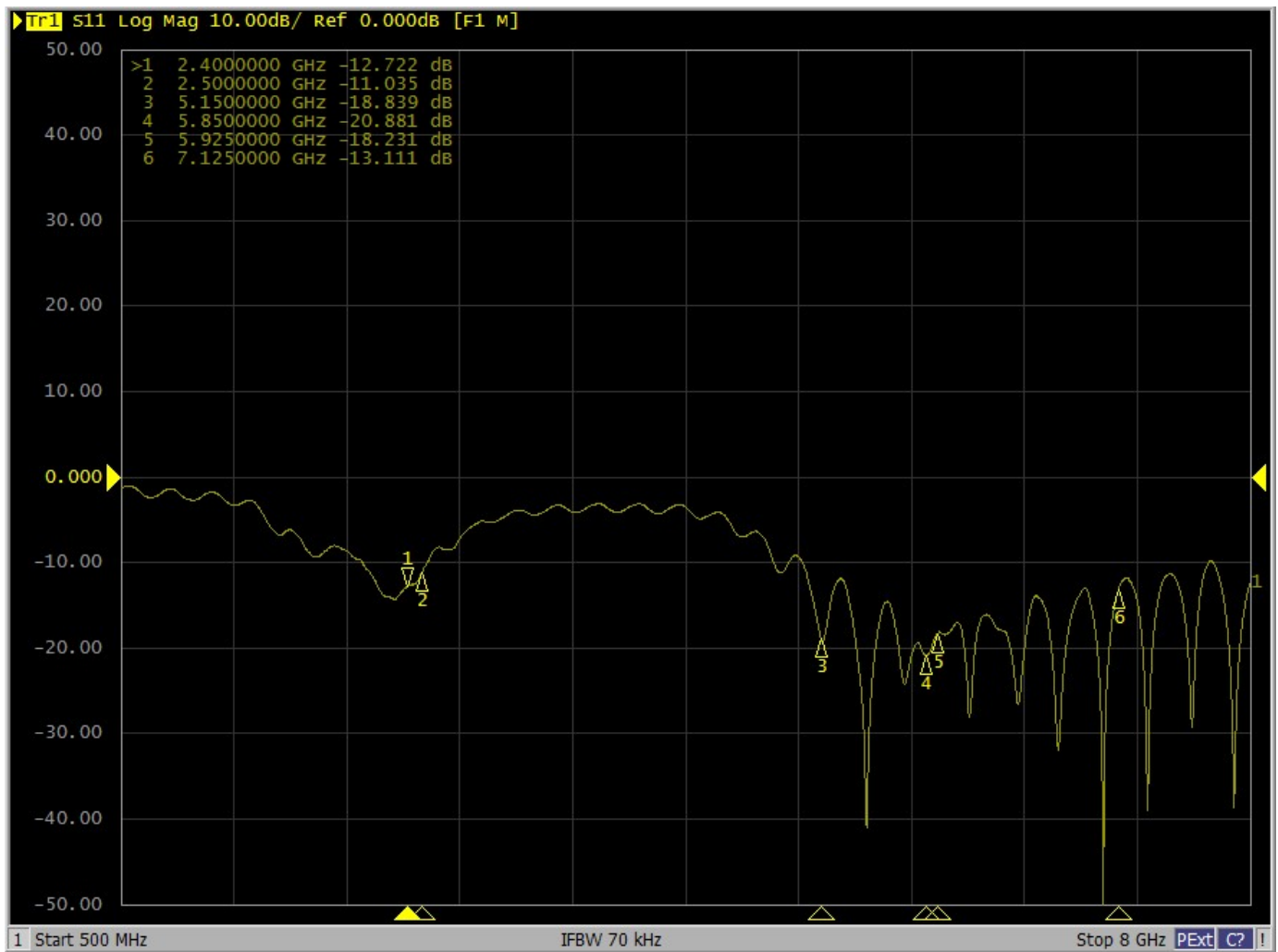


5	HEAT SHRINK TUBING	端子保護套管	1
4	铜箔	34.95 * 28.10 *T0.08 mm	1
3	FPC	40.00* 11.40 *T0.13 mm	1
2	CABLE	Ø1.13mm LL 灰色, L=350mm	1
1	CONNECTOR	I IPEX MHF4L (20565)	1
ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY

Units: mm

SZ3147A

S11



WIFI Antenna

SZ3147A – 2400-2500 / 5150-7125MHz

Efficiency

频率 (MHz)	增益 (dBi)	效率 (dB)	效率 (%)	频率 (MHz)	增益 (dBi)	效率 (dB)	效率 (%)
2400	2.35	-2.44	57.02	5900	4.31	-4.08	39.08
2410	2.21	-2.47	56.6	5950	4.5	-4.11	38.81
2420	1.94	-2.55	55.64	6000	4.45	-4.29	37.23
2430	1.7	-2.59	55.14	6050	2.97	-4.65	34.27
2440	1.47	-2.8	52.5	6100	2.99	-4.34	36.81
2450	1.71	-2.88	51.48	6150	3.2	-3.92	40.55
2460	1.9	-3.15	48.41	6200	2.27	-4.53	35.23
2470	2.28	-3.11	48.83	6250	2.4	-4.57	34.92
2480	2.1	-3.37	46.06	6300	1.99	-4.7	33.87
2490	1.95	-3.52	44.42	6350	2.82	-4.5	35.51
2500	2.05	-3.81	41.62	6400	3.16	-4.69	33.97
5150	3.38	-4.09	38.99	6450	4.07	-4.18	38.19
5200	3.37	-4.09	39.10	6500	3.75	-4.59	34.74
5250	2.64	-4.34	36.81	6550	4.07	-4.29	37.26
5300	2.33	-4.58	34.83	6600	4.85	-4.15	38.46
5350	2.87	-4.12	38.73	6650	4.42	-3.58	43.86
5400	2.97	-4.22	37.84	6700	4.49	-2.91	51.13
5450	3.2	-4.06	39.26	6750	4.67	-3.39	45.81
5500	2.84	-4.44	35.97	6800	4.88	-3.83	41.37
5550	3.23	-4.48	35.65	6850	4.25	-4.16	38.38
5600	3.67	-4.66	34.20	6900	3.81	-4.18	38.15
5650	3.8	-4.33	36.89	6950	4.29	-4.03	39.52
5700	3.13	-4.33	36.89	7000	4.01	-4.22	37.88
5750	3.86	-4.15	38.45	7050	4.21	-3.97	40.06
5800	4.53	-4.02	39.62	7100	3.44	-4.16	38.39
5850	4.39	-4.04	39.44	7150	2.3	-4.62	34.49

-END-

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.'