

WIFI Antenna

SZ3146A – 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	< -9 dB	< -10dB
Gain	>1.1 dBi	>2.5 dBi
Efficiency	>40%	>35%

MECHANICAL SPECIFICATIONS

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Dimension (Radiator) (Length x Width x Height)	Color	Cable OD	Connector Type	Cable length
40.00* 10.48*T0.13 mm	Black	1.13mm	IPEX MHF 4L	150mm

ENVIRONMENTAL SPECIFICATIONS

SZ3146A

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

Notes:

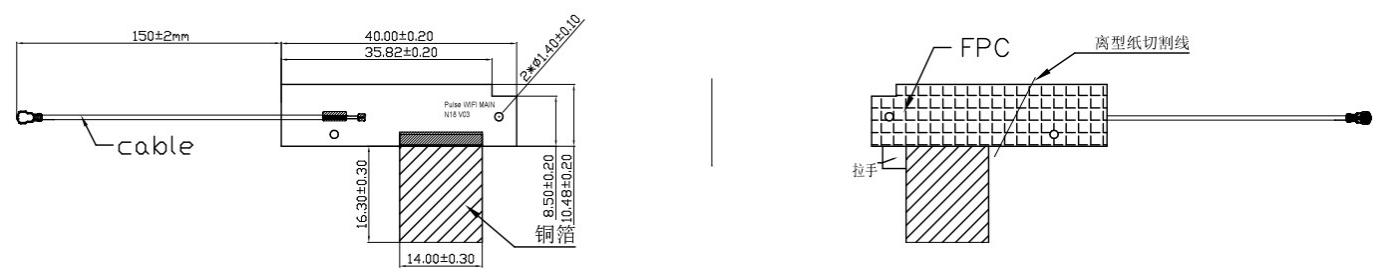
1. Storage Temperature: -40°C to 80°C

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Mechanical Drawing

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5	HEAT SHRINK TUBING	端子保護套管	1
4	銅箔	18.30 * 14.00 * T0.08 mm	1
3	FPC	40.00* 10.48 *T0.13 mm	1
2	CABLE	Ø 1.13mm LL 黑色, L=150mm	1
1	CONNECTOR	I IPEX MHF4L (20565)	1
ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY

Units: mm

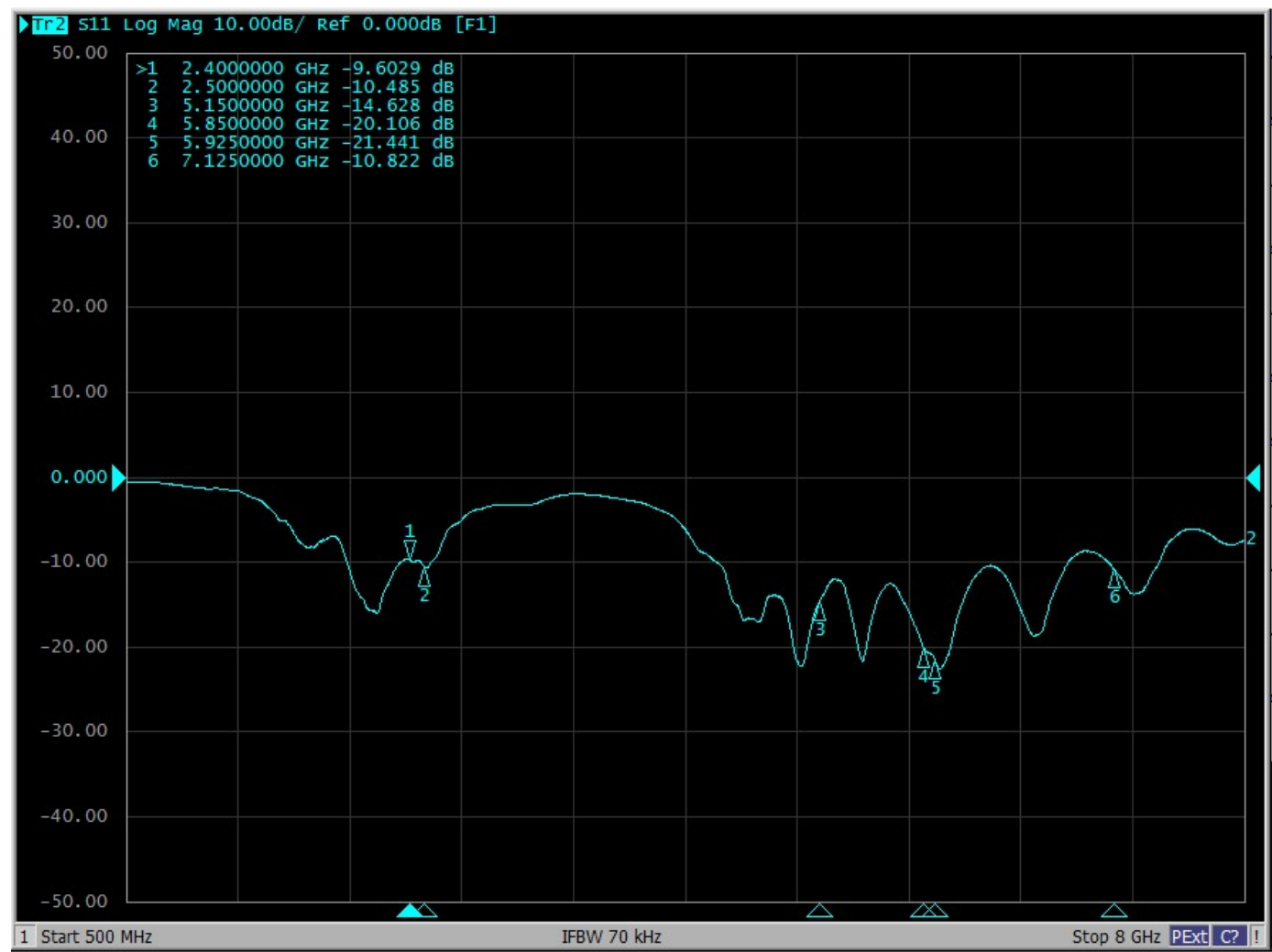
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Performance

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Efficiency

频率(MHz)	增益(dBi)	效率(dB)	效率(%)	频率(MHz)	增益(dBi)	效率(dB)	效率(%)
2400	2.61	-3.08	49.2	5900	4.61	-4.14	38.52
2410	2.44	-3.24	47.42	5950	4.55	-4.17	38.25
2420	2.51	-3.12	48.75	6000	4.84	-4.41	36.21
2430	2.31	-3.18	48.08	6050	4.13	-4.83	32.89
2440	2.14	-3.18	48.1	6100	4.15	-4.66	34.2
2450	1.91	-3.34	46.34	6150	4.32	-4.56	35.01
2460	2.01	-3.28	46.98	6200	3.67	-4.92	32.18
2470	1.68	-3.55	44.16	6250	4.31	-4.56	34.97
2480	1.44	-3.66	43.05	6300	4.39	-4.7	33.86
2490	1.09	-3.91	40.64	6350	4.4	-4.63	34.43
2500	1.12	-3.91	40.57	6400	4.33	-4.69	33.93
5150	3.89	-4.15	38.45	6450	4.69	-4.07	39.15
5200	3.88	-4.19	38.11	6500	4.63	-4.34	36.79
5250	3.06	-4.25	37.58	6550	4.83	-3.93	40.48
5300	2.64	-4.48	35.65	6600	4.29	-3.59	43.8
5350	3.43	-4.34	36.81	6650	4.55	-3.24	47.4
5400	3.57	-4.31	37.06	6700	4.71	-2.85	51.85
5450	4.1	-4.21	37.91	6750	4.41	-3.58	43.82
5500	4	-4.31	37.1	6800	4.37	-4.18	38.16
5550	3.94	-4.19	38.08	6850	3.84	-4.49	35.59
5600	3.91	-4.19	38.12	6900	3.82	-4.4	36.31
5650	4.31	-4.01	39.76	6950	3.44	-4.45	35.89
5700	4.64	-3.98	39.99	7000	2.34	-4.99	31.72
5750	4.89	-3.89	40.86	7050	2.41	-4.65	34.25
5800	4.33	-3.85	41.18	7100	2.36	-4.57	34.88
5850	4.7	-3.92	40.54	7150	2.23	-4.62	34.54

-END-

For More Information:

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