

SPECIFICATION

PART NUMBER: TEMP02
ANTENNA DESCRIPTION: Monopole 2.4G Antenna
VERSION: V1.0
Released Date: 20250412

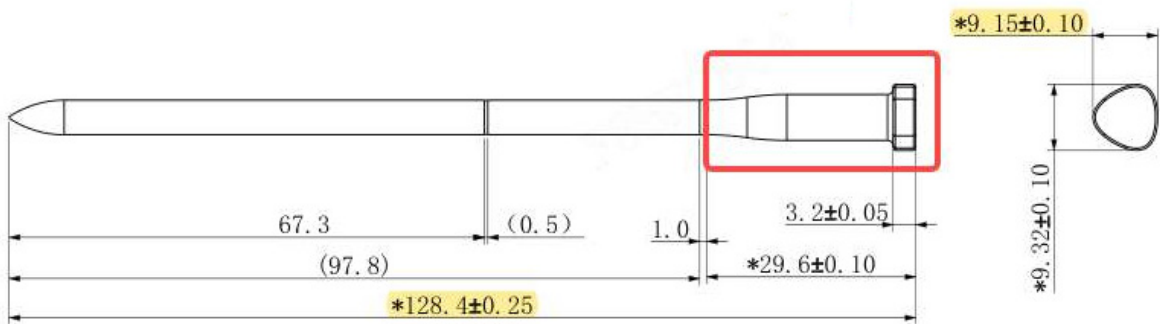
Drawn by:	Checked by:	Approved by:
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Monopole 2.4G Antenna

1. Application:

For Bluetooth/WLAN Applications

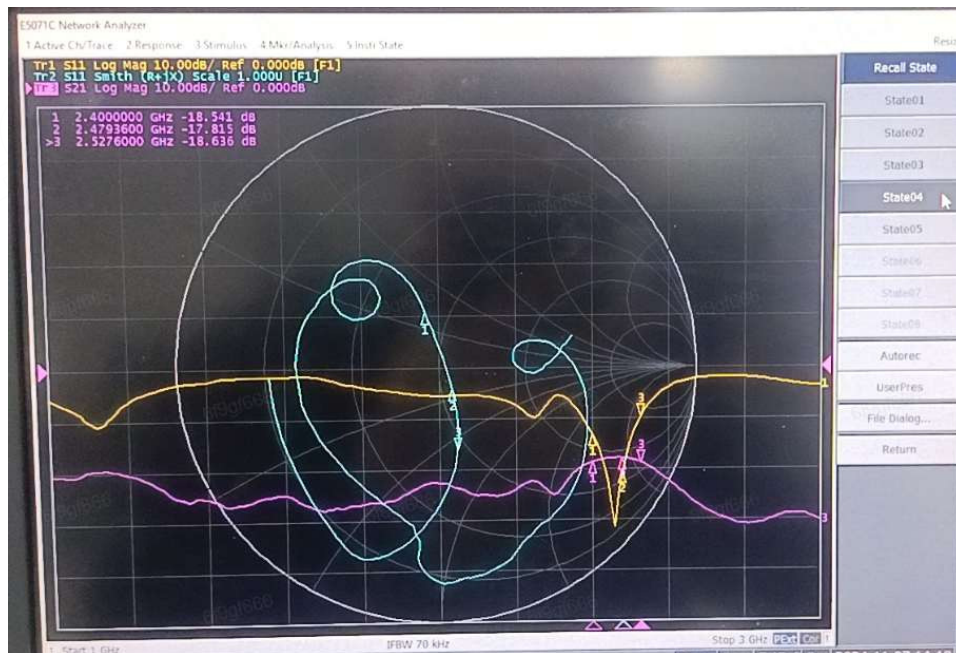
2. Physical Dimension (Unit: mm)



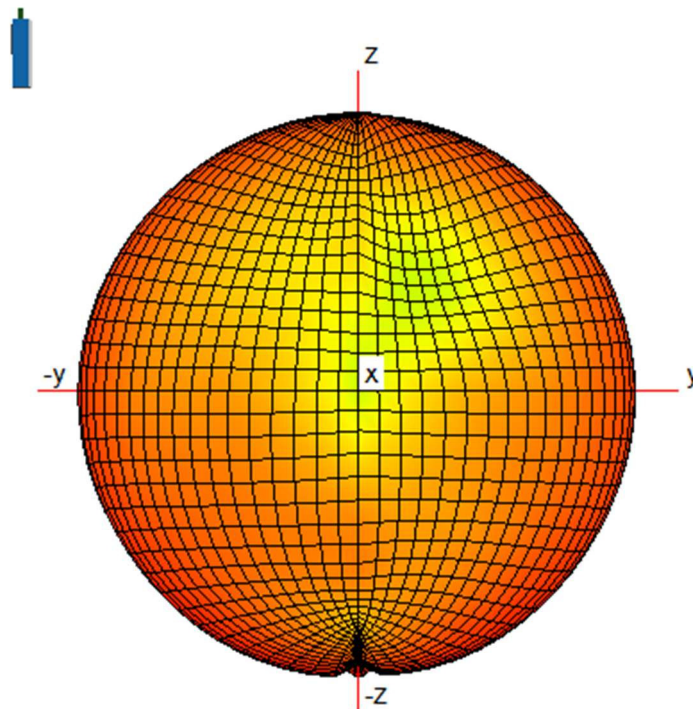
3. Electrical Specification

DESCRIPTION	VALUE
Center Frequency	2.45GHz
Bandwidth	100MHz (Typ.)
Peak Efficiency	47.2%
Azimuth Beamwidth	Omni-directional
Peak Gain	1.2dBi (Typ.)
Operating Temperature	-40~105℃
Maximum Power	1W

4. Characteristic curve



5. Radiation Pattern



6. Efficiency

Frequency	Efficiency (%)	Peak Gain (dBi)
2400MHz	47.21	1.2
2410MHz	45.87	1.03
2420MHz	45.43	0.99
2430MHz	44.73	0.86
2440MHz	44.08	0.7
2450MHz	43.43	0.56
2460MHz	41.68	0.2
2470MHz	40.24	-0.08
2480MHz	39.92	-0.2

7. REVISION HISTORY

<u>REVISION DATE</u>	<u>CHANGE NOTIFICATION</u>	<u>DESCRIPTION</u>
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Version1.0 April.12,2025		
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	New datasheet for Monopole	
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	2.4G Antenna,2.45GHz	
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