

Description:
D1B3 BT ANTENNA

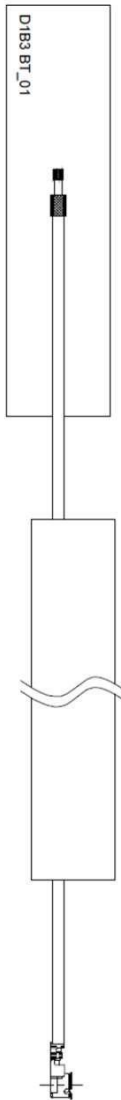


Series: D1B3

Customer P/N:
Manufacturer P/N: TZ30873

Features:

- BT Antenna
- 2.4-2.5GHz
- Flexible Printed Circuit
- RoHS Compliant
- Maximum peak gain : 3.62 dBi



Applications:

- Sound bar

All dimensions are in mm / inches

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ELECTRICAL SPECIFICATIONS

Antenna Type	PIFA
Frequency	2.4-2.5GHz
Nominal Impedance	50 Ω
VSWR	<2
Radiation Pattern	Omni
Gain	<4
Polarization	Linear
Power Withstanding	1W

MECHANICAL SPECIFICATIONS

Overall Length	40*10*0.2 mm
Antenna Color / Material	Black/FPC
Connector type	See table, P3
Cable type	See table, P3
Cable length	See table, P3
Adhesive tape	3M9888T

ENVIRONMENTAL SPECIFICATIONS

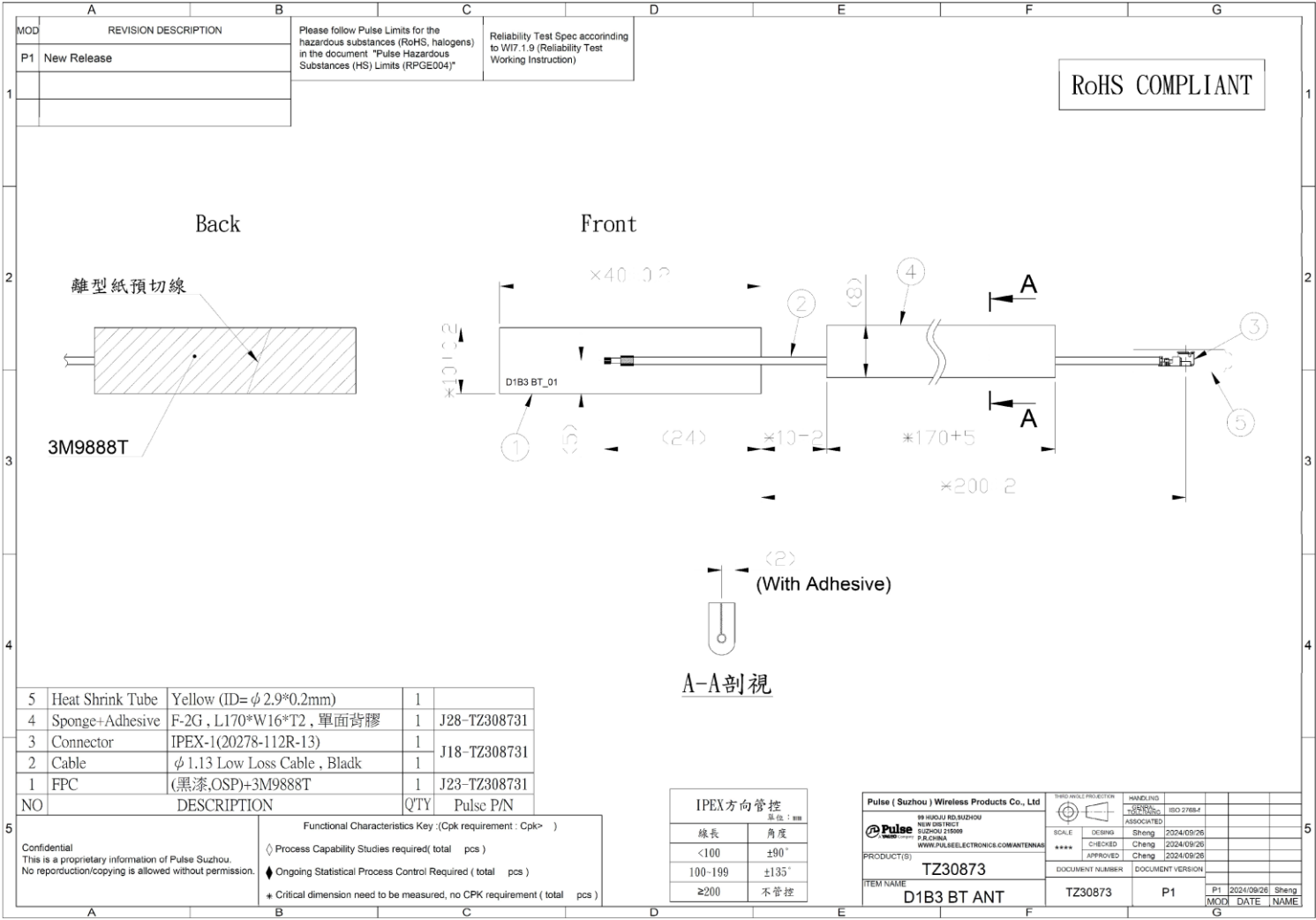
Operating Temperature	-40 ~ +85°C
Storage Temperature	-40 ~ +85°C
RoHS Compliant	Yes



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MECHANICAL DRAWING

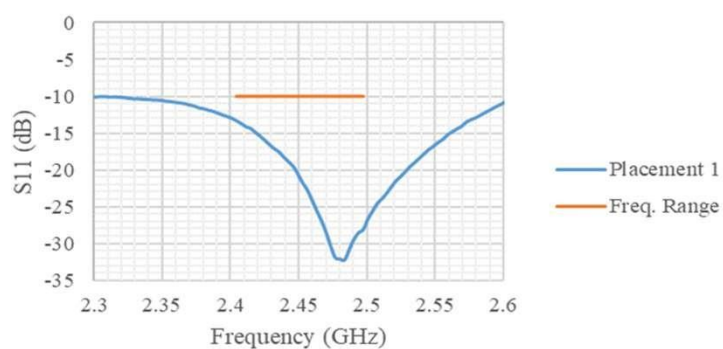


Series: D1B3

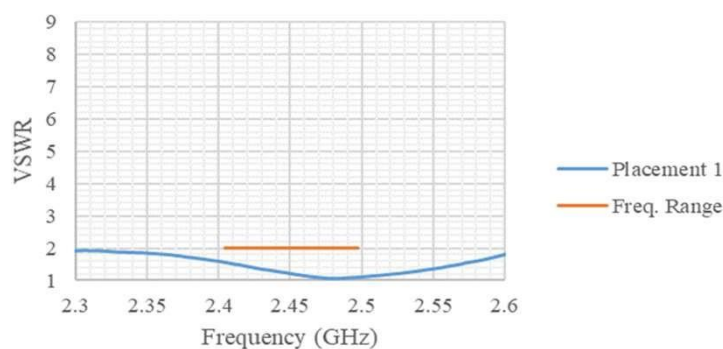
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CHARTS

S11 of Antenna



VSWR of Antenna



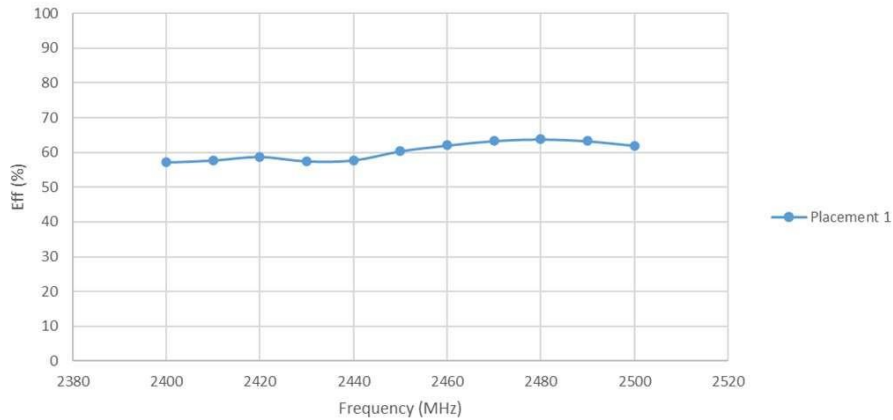
Frequency (MHz)	S11 (dB)	VSWR
2400	-13.0	1.6
2450	-20.6	1.2
2500	-26.7	1.1

Series: D1B3

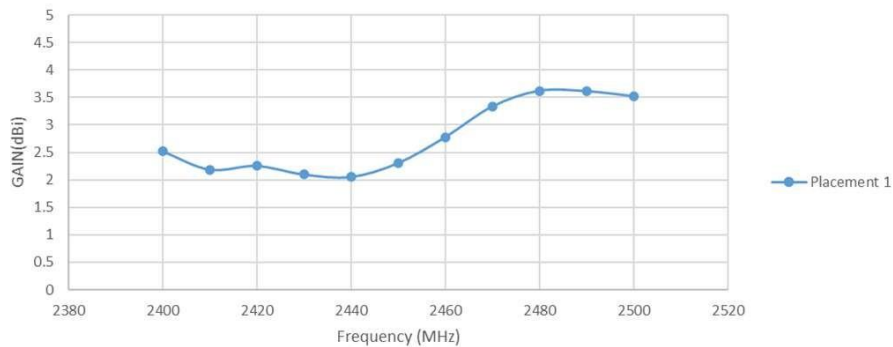
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CHARTS

Efficiency vs Frequency_@2G
Measured in Pulse, Taiwan - Sept. 20, 2024



Gain vs Frequency_@2G
Measured in Pulse, Taiwan - Sept. 20, 2024



Placement 1			
Total/ Freq.	Eff.(%)	Eff.(dB)	Peak Gain (dBi)
2400	57.14	-2.43	2.52
2410	57.71	-2.39	2.19
2420	58.76	-2.31	2.25
2430	57.48	-2.40	2.10
2440	57.72	-2.39	2.05
2450	60.36	-2.19	2.30
2460	62.02	-2.07	2.77
2470	63.34	-1.98	3.33
2480	63.82	-1.95	3.62
2490	63.29	-1.99	3.61
2500	61.97	-2.08	3.52

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CHARTS

