

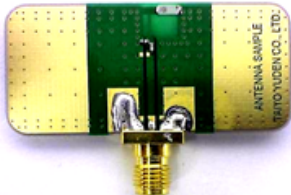
3216mm (1206inch) Monopole Antenna

AH316M245001

for 2.4GHz

Shapes

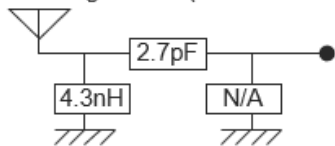
L= 3.2 ± 0.15 mm
W= 1.6 ± 0.15 mm
T= 0.5 ± 0.1 mm



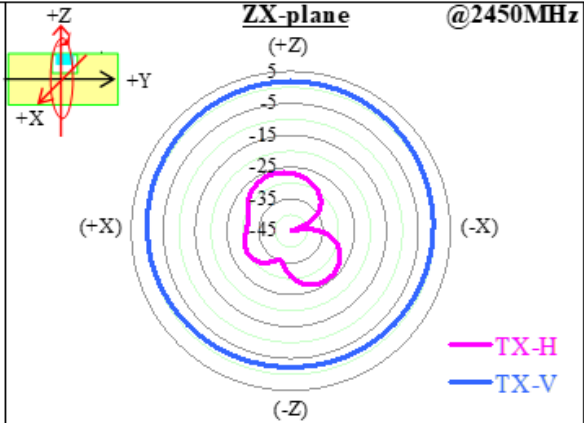
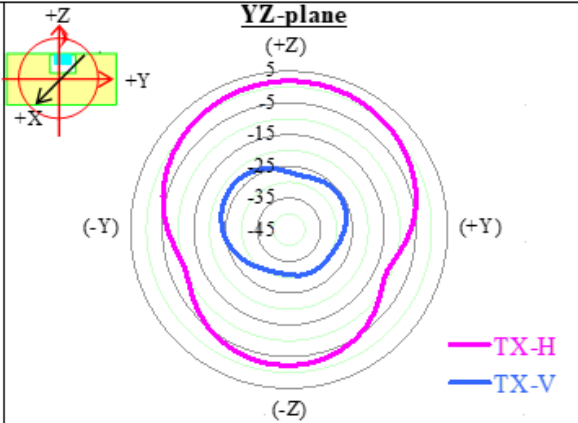
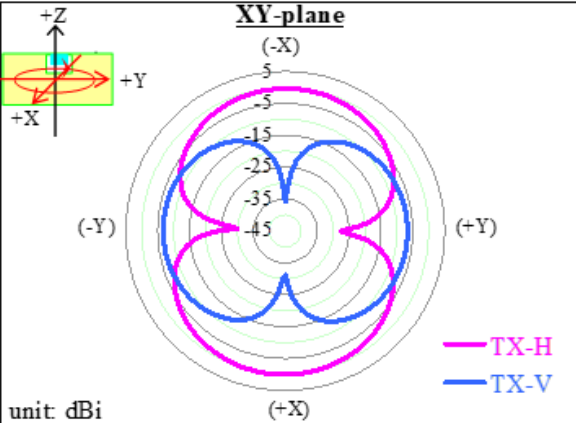
*on Taiyo Yuden's Evaluation Board
(45 x 20 mm)

*antenna keep out area : 6 x 5 mm

*Matching Circuit (Evaluation Board)

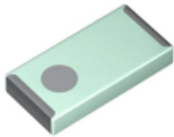


Radiation Pattern



Feature

- * Ultra Small
- * Low Profile
- * High Performance
- * Small Keep-out Area



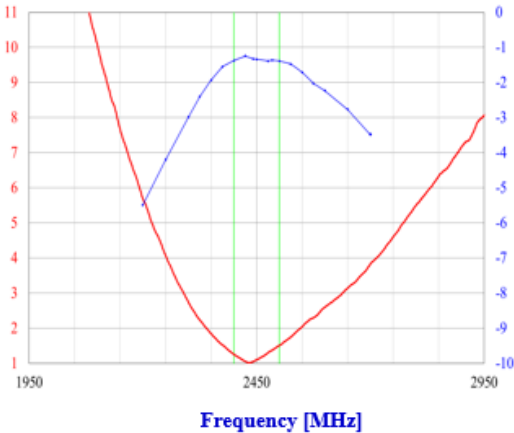
Electrical Characteristics

			2400MHz	2450MHz	2500MHz
Efficiency [dB]			-1.4 (73%)	-1.3 (73%)	-1.4 (73%)
Peak gain [dBi]			1.9	1.9	1.6
Average gain [dBi]	XY-plane	TX-H	-3.1	-3.2	-3.0
		TX-V	-9.4	-9.7	-10.4
	YZ-plane	TX-H	-2.1	-2.1	-2.3
		TX-V	-26.8	-26.3	-25.4
	ZX-plane	TX-H	-29.2	-29.2	-27.9
		TX-V	-0.1	0.0	0.0

Actual data

Efficiency : -1.3dB (73%)
Peak Gain : 1.9dBi
Average Gain : 0.0dBi (ZX plane-Vertical polarization)
@2450MHz

VSWR & Efficiency

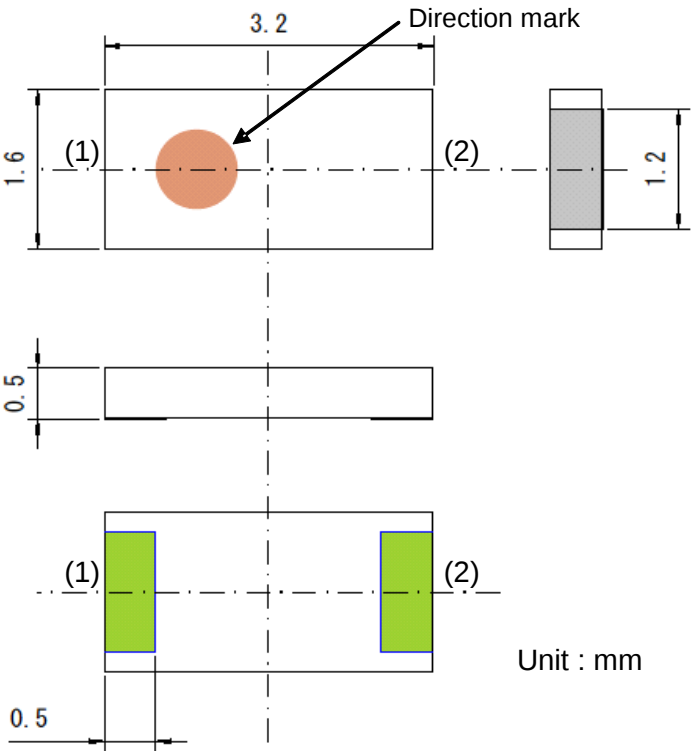


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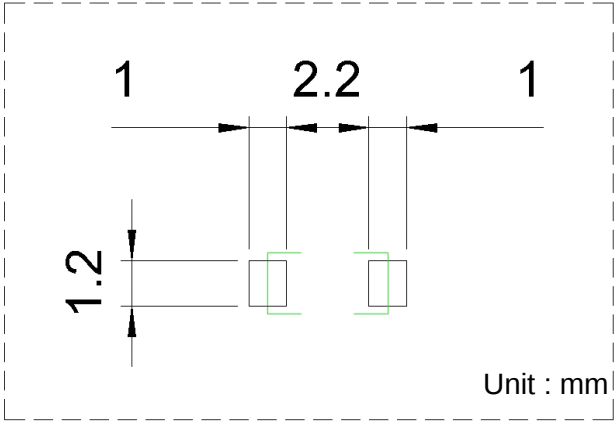
for 2.4GHz

External Dimensions



Terminal No.	Terminal Name
(1)	FEED
(2)	GND

Example of Land Pattern



manufacturer company:TAIYO YUDEN CO., LTD.
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Tokyo, Japan