

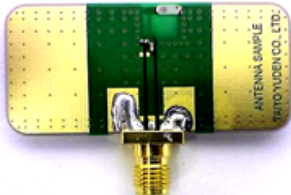
3216mm (1206inch) Monopole Antenna

TSA5NA2K2G45NS001T

for 2.4GHz

Shapes

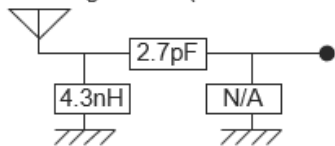
L= 3.2 ± 0.15 mm
W= 1.6 ± 0.15 mm
T= 0.5 ± 0.1 mm



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

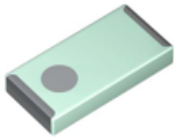
*antenna keep out area : 6 x 5 mm

*Matching Circuit (Evaluation Board)



Feature

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



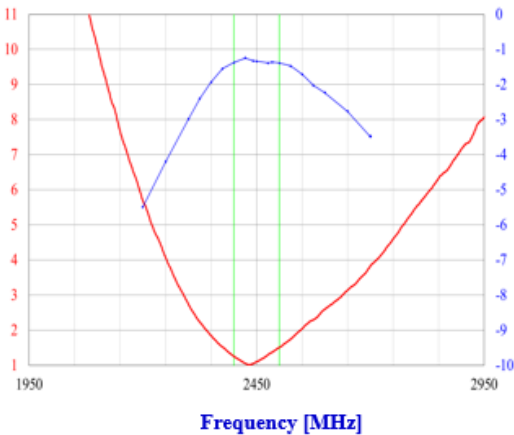
Actual data

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

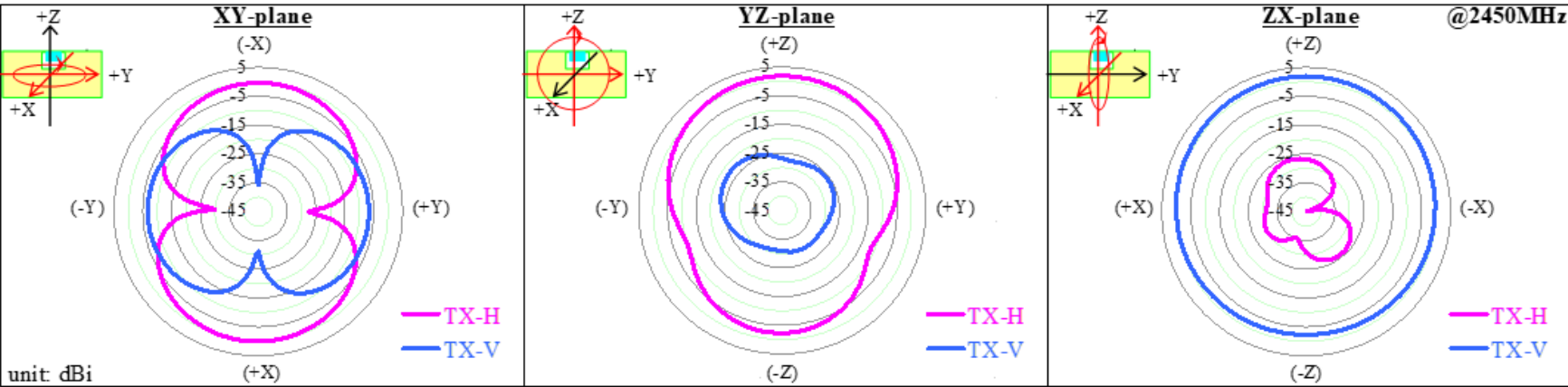
Electrical Characteristics

			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

VSWR & Efficiency



Radiation Pattern



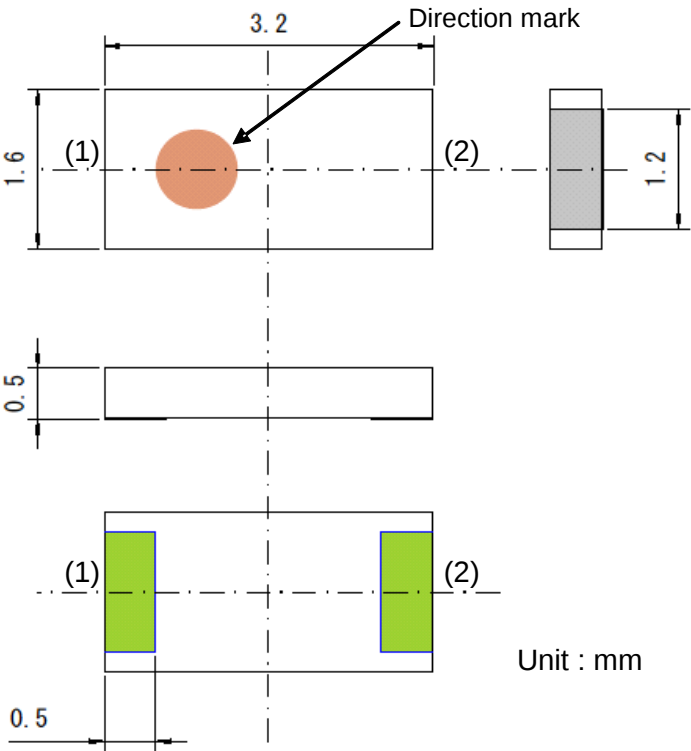
The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
TAIYO YUDEN reserves the right to make change to the Date at any time without notice.
Before making final selection, please check product specification **TAIYO YUDEN**

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for 2.4GHz

External Dimensions



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

Example of Land Pattern

