2.4GHz Multilayer RadiEdge Antenna (for Bluetooth®, W-LAN)

Date: Sep/01/2011

AH 316M245001

■Shapes

L= $3.2 \pm 0.15 \text{ mm}$ W= $1.6 \pm 0.15 \text{ mm}$ T= 0.5 + 0.1 mm



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

*antenna keep out area: 6 x 5 mm

■ Feature

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



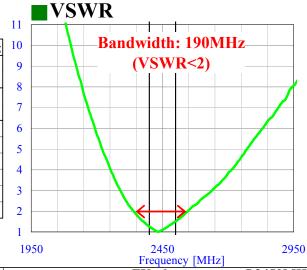
Actual data

Efficiency: -1.3dB (73%)

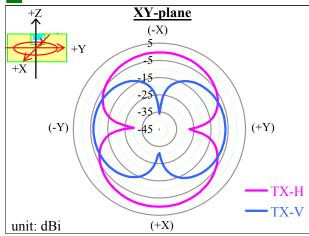
Peak Gain: 1.9dBi @2450MHz Average Gain: 0.0dBi (ZX plane-Vertical polarization)

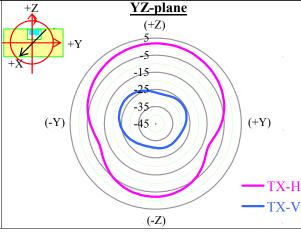
■ Electrical Characteristics

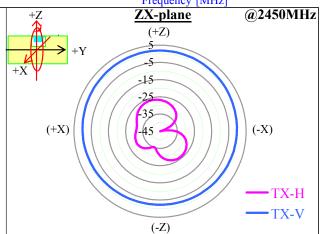
	Electrical Characteristics					
				2400MHz	2450MHz	2500MHz
	Efficiency [dB]			-1.4	-1.3	-1.4
					(73%)	(73%)
	Peak gain [dBi]			1.9	1.9	1.6
)						
	Average	XY-plane	ТХ-Н	-3.1	-3.2	-3.0
	gain		TX-V	-9.4	-9.7	-10.4
	[dBi]	YZ-plane	ТХ-Н	-2.1	-2.1	-2.3
			TX-V	-26.8	-26.3	-25.4
		ZX-plane	ТХ-Н	-29.2	-29.2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



■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