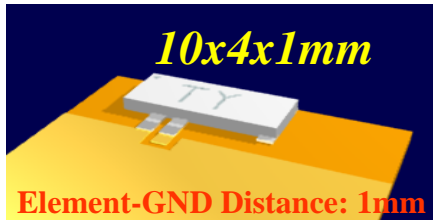


2.4GHz Multilayer Antenna

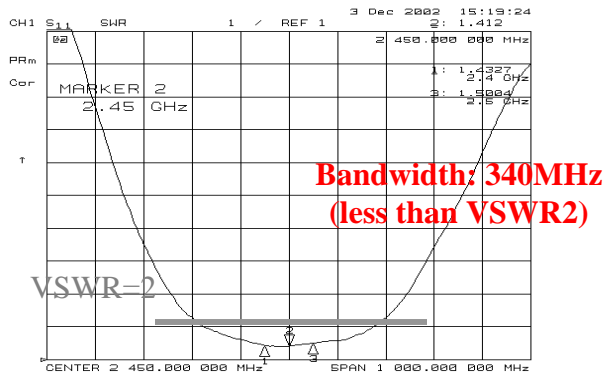
AH 104F2450S1

for Bluetooth™/ 802.11b

Shapes



VSWR Characteristics



Electrical Characteristics

***Peak Gain > +2dBi** (XZ plane – Vertical polarization)
***Average Gain > 0dBi** (XZ plane – Vertical polarization)
(on Taiyo Yuden's Evaluation Board)

Freq. (GHz)		Average Gain (dBi)			Total
		Measuring plane			
		XY	YZ	XZ	
2.4	TX-V	-11.3	-7.6	-0.7	-4.4
	TX-H	-3.4	-3.4	-7.6	
	Ave. of V&H	-5.7	-5.0	-3.0	
2.45	TX-V	-10.6	-7.2	-0.4	-4.0
	TX-H	-2.9	-3.1	-7.2	
	Ave. of V&H	-5.2	-4.7	-2.6	
2.5	TX-V	-9.6	-6.6	-0.2	-3.7
	TX-H	-2.6	-2.8	-6.7	
	Ave. of V&H	-4.8	-4.3	-2.3	

Note: Total Ave.Gain={XY(V)+XY(H)+YZ(V)+YZ(H)+XZ(V)+XZ(H)}/6
GND size on evaluation board: 47x15mm

Radiation

