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

AH 212M245001



Shapes

L= 2.0 $\stackrel{+}{.}$ $\stackrel{0.3}{.1}$ mm W= 1.25 $\stackrel{\pm}{.}$ 0.2 mm $T = 0.85 \pm 0.2 \text{ mm}$

■Feature

* Ultra Small

* Low Profile



Actual data

Efficiency: -1.8dB (66%)

@2450MHz Peak Gain: 0.9dBi Average Gain: -0.9dBi (ZX plane-Vertical polarization)



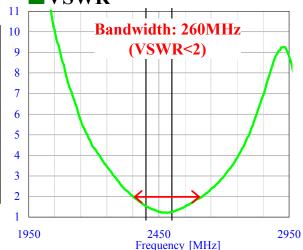
*on Taiyo Yuden's Evaluation Board (52 x 10 mm)

*Element-GND Distance: 4.0 mm

■ Electrical Characteristics

Electrical Characteristics						
				2400MHz	2450MHz	2500MHz
Efficiency [dB]				-1.9	-1.8	-1.7
				(64%)	(66%)	(68%)
Peak gain [dBi]				0.9	0.9	1.3
Avera	ge	XY-plane	ТХ-Н	-4.1	-4.0	-3.9
g	ain		TX-V	-9.8	-9.4	-8.7
[0	lBi]	YZ-plane	ТХ-Н	-3.0	-3.0	-2.9
			TX-V	-35.7	-35.1	-34.9
İ		ZX-plane	ТХ-Н	-10.1	-9.8	-9.3
			TX-V	-1.0	-0.9	-0.9





Radiation Pattern

