



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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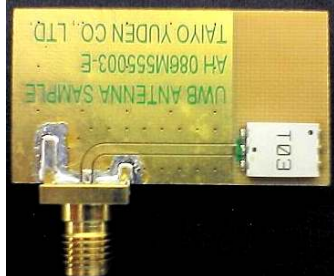
3.1 ~ 8GHz Multilayer Monopole Antenna (for UWB, WiMAX)

Date: Sep/01/2011

AH 086M555003

Shapes

L= 8.0 ± 0.3 mm
 W= 6.0 ± 0.3 mm
 T= 1.0 ± 0.3 mm



*on Taiyo Yuden's Evaluation Board
 (36 x 20 mm)
 *Element-GND Distance : 1.5 mm

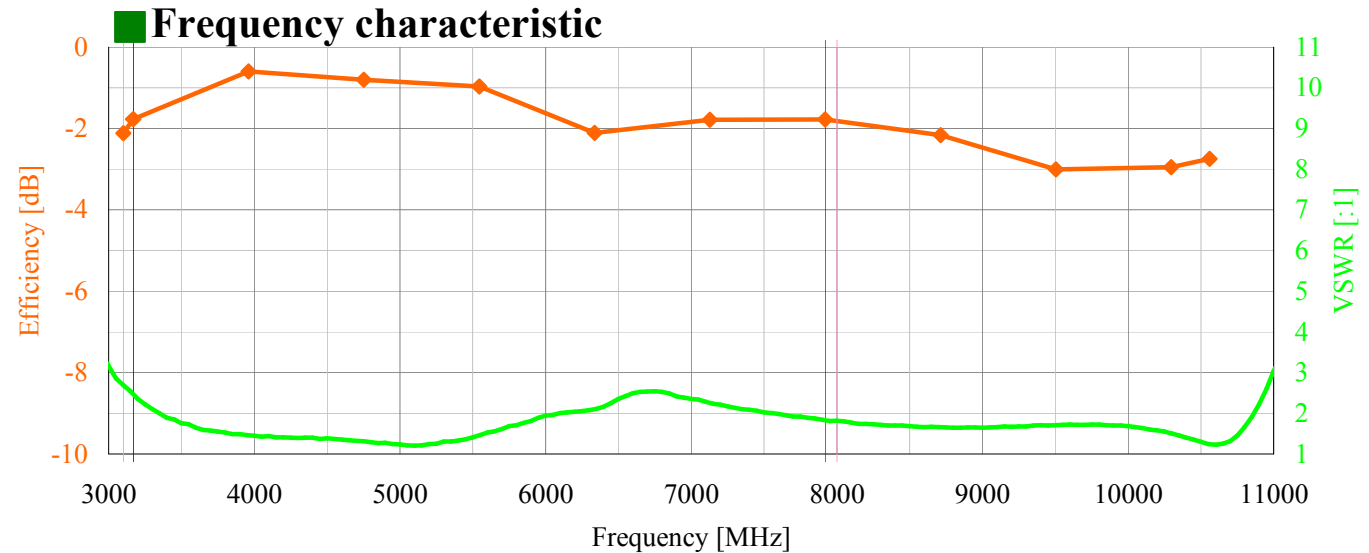
Feature

- * Small
- * Wide Band
- * High Performance



*photo :AH 086M555001

Actual data
 Efficiency : -0.6 ~ -2.1dB (87 ~ 62%)
 Peak Gain : 2.6 ~ 0.7dBi
 @3168~7920MHz



Electrical Characteristics

| | | | 3100MHz | 3168MHz | 3960MHz | 4752MHz | 5544MHz | 6336MHz | 7128MHz | 7920MHz | 8712MHz | 9504MHz | 10296MHz | 10560MHz |
|---------------------------|----------|------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Efficiency [dB] | | | -2.1 (61%) | -1.8 (66%) | -0.6 (87%) | -0.8 (83%) | -1.0 (80%) | -2.1 (62%) | -1.8 (66%) | -1.8 (66%) | -2.2 (61%) | -3.0 (50%) | -2.9 (51%) | -2.7 (53%) |
| Peak gain [dBi] | | | 1.8 | 2.0 | 2.6 | 2.1 | 1.5 | 0.8 | 1.0 | 0.7 | 0.4 | -0.8 | -0.1 | 0.5 |
| Average gain [dBi] | XY-plane | TX-H | -4.1 | -4.0 | -2.1 | -2.5 | -4.3 | -6.1 | -7.0 | -6.1 | -5.6 | -4.9 | -4.7 | -4.1 |
| | | TX-V | -5.5 | -5.7 | -4.3 | -3.5 | -2.7 | -3.9 | -3.3 | -2.6 | -3.3 | -7.7 | -11.7 | -12.4 |
| | YZ-plane | TX-H | -3.8 | -3.4 | -2.7 | -2.6 | -2.3 | -3.4 | -3.2 | -3.5 | -4.1 | -5.0 | -4.3 | -4.3 |
| | | TX-V | -14.3 | -14.8 | -20.1 | -19.7 | -14.1 | -13.9 | -11.8 | -13.0 | -13.4 | -14.8 | -17.6 | -17.0 |
| | ZX-plane | TX-H | -9.8 | -9.5 | -8.3 | -6.5 | -5.3 | -7.5 | -7.7 | -6.8 | -6.8 | -9.7 | -14.0 | -13.8 |
| | | TX-V | -1.1 | -0.7 | 0.5 | -0.9 | -2.3 | -3.5 | -2.6 | -3.6 | -3.6 | -3.2 | -2.0 | -1.6 |

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