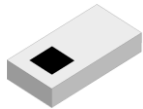


ANT016008LCS2442MA1 for 2.4GHz Single Band

Shape

$L = 1.6 \pm 0.1\text{mm}$
 $W = 0.8 \pm 0.1\text{mm}$
 $T = 0.4\text{mm Max}$



Feature

- Ultra Small
- Low Profile
- High Performance
- Small Keep-out Area
- Linear Polarization
- Lower price

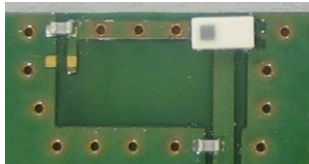
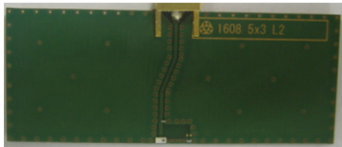
Actual data

Efficiency: -1.3 dB (74 %) @ 2.442GHz
 Peak Gain: 1.6 dBi @ 2.442GHz
 Average Gain: 0.3 dBi (ZX-plane Vertical polarization) @ 2.442GHz

for Center Position

Evaluation Board

Board size: 50x20x1mm²
 Antenna keep out area: 5x3mm²

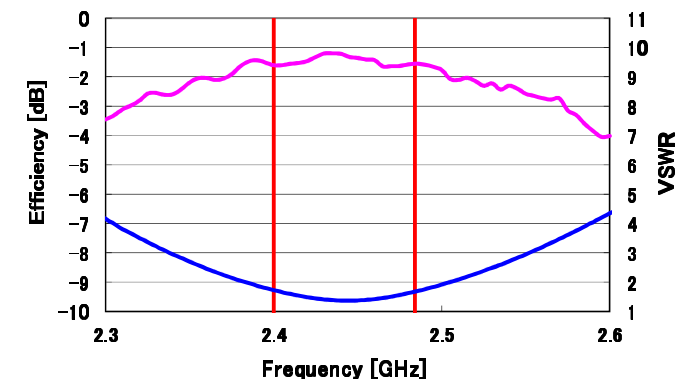


Electrical Characteristics

		2.4 GHz band					
		@2.4 GHz		@2.442 GHz		@2.484 GHz	
Efficiency [dB]		-1.6		-1.3		-1.6	
Peak gain		1.3 [dBi]		1.6 [dBi]		1.2 [dBi]	
Average Gain	ZX-plane	TX-H	-21.5	TX-H	-21.5	TX-H	-21.3
		TX-V	0.0	TX-V	0.3	TX-V	-0.2
	ZY-plane	TX-H	-2.9	TX-H	-2.6	TX-H	-3.1
		TX-V	-24.1	TX-V	-24.7	TX-V	-24.8
	XY-plane	TX-H	-3.1	TX-H	-2.7	TX-H	-3.2
		TX-V	-12.2	TX-V	-11.8	TX-V	-12.3

TX-H=Horizontal polarization
 TX-V=Vertical polarization

VSWR & Efficiency



Liner Polarization Pattern @ 2.442GHz

