



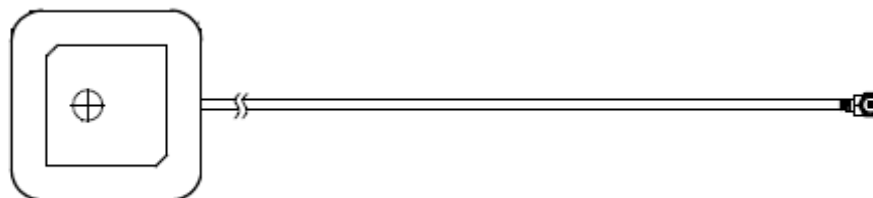
SPECIFICATION

Model No. : **WPC25A**

Part No. : **WPC.25A.07.0150C**

Product Name : **2.4 GHz ISM Ceramic Patch Antenna**

Features : **25x25x6 mm**
2 dBi



VERSION	DATE	PAGE	DESCRIPTION	CENTRE	APPROVED
A	08/24/2011	All	Antenna Specification	San Diego	Ruben F. Cuadras



I. INTRODUCTION

The Taoglas WPC25A 2.4 GHz ISM Ceramic Patch Antenna has been designed to work specifically for the Alcon Labs device; the antenna has a mini-coax cable for connectivity and a PCB carrier to mount the antenna.

II. SPECIFICATIONS

PARAMETERS	SPECIFICATIONS
Frequency Range	2420~2480.5MHz
Return Loss (dB)	>-10
Peak Gain (dBi)	2
Efficiency (%)	75
Impedance	50 Ω
VSWR	<2:1
Polarization	RHCP
Power Handled	5W
Operation Temperature	-40 ⁰ C - +85 ⁰ C
Storage Temperature	-40 ⁰ C - +85 ⁰ C
Dimensions	25x25x6mm
Weight	3 g
RoHS Compliant	Yes



III. ANTENNA PARAMETERS

III.1. Return Loss

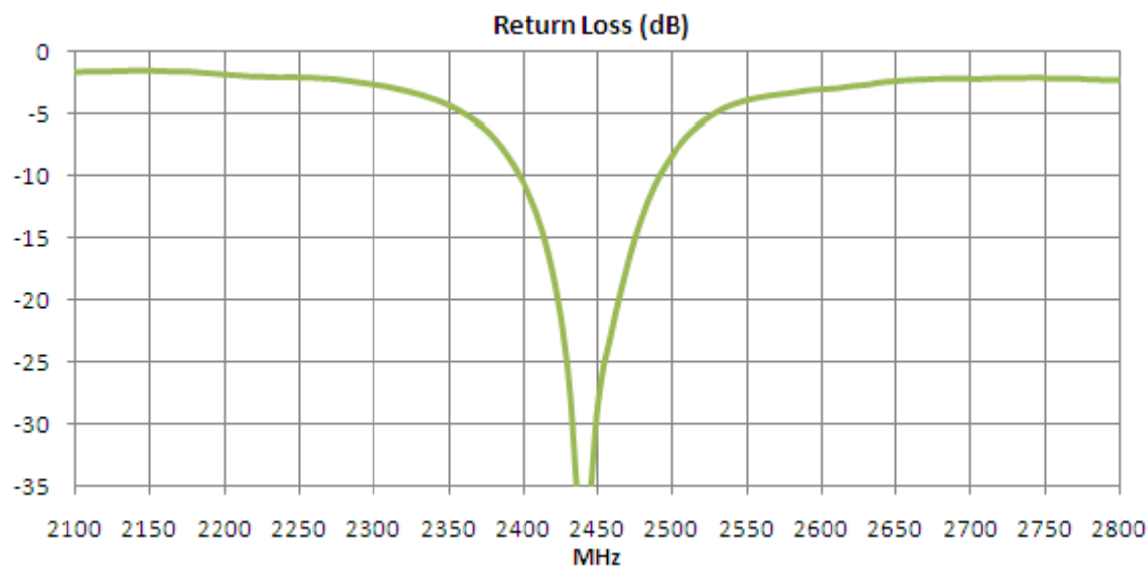


Figure 1. Return Loss of the WPC25A Antenna.

III.2. Efficiency

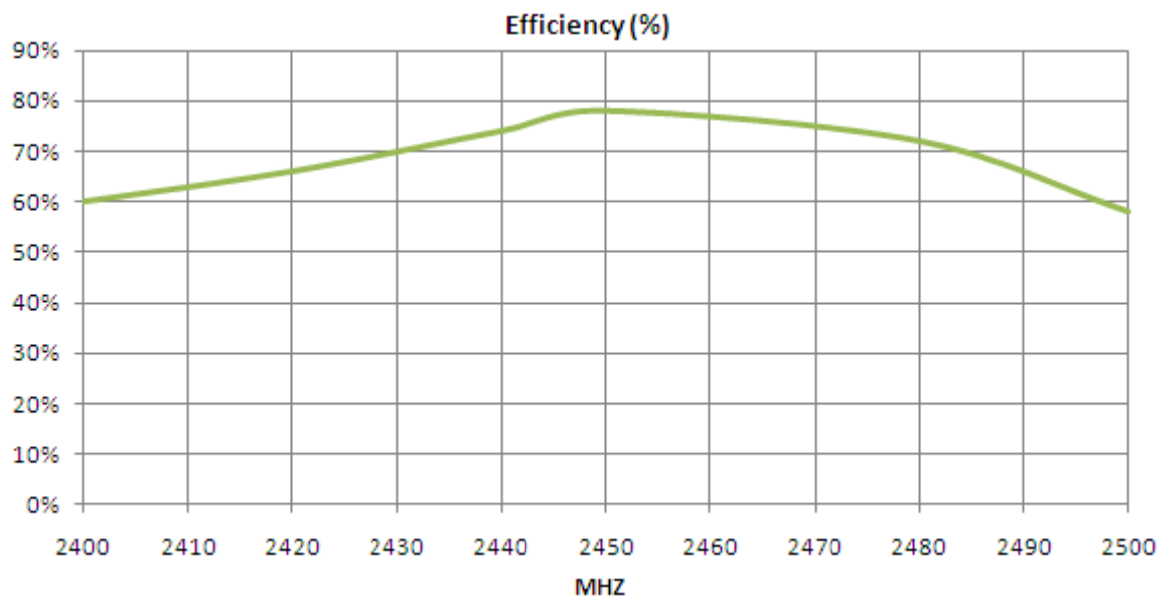


Figure 2. Efficiency of the WPC25A Antenna.



III.3. Peak Gain

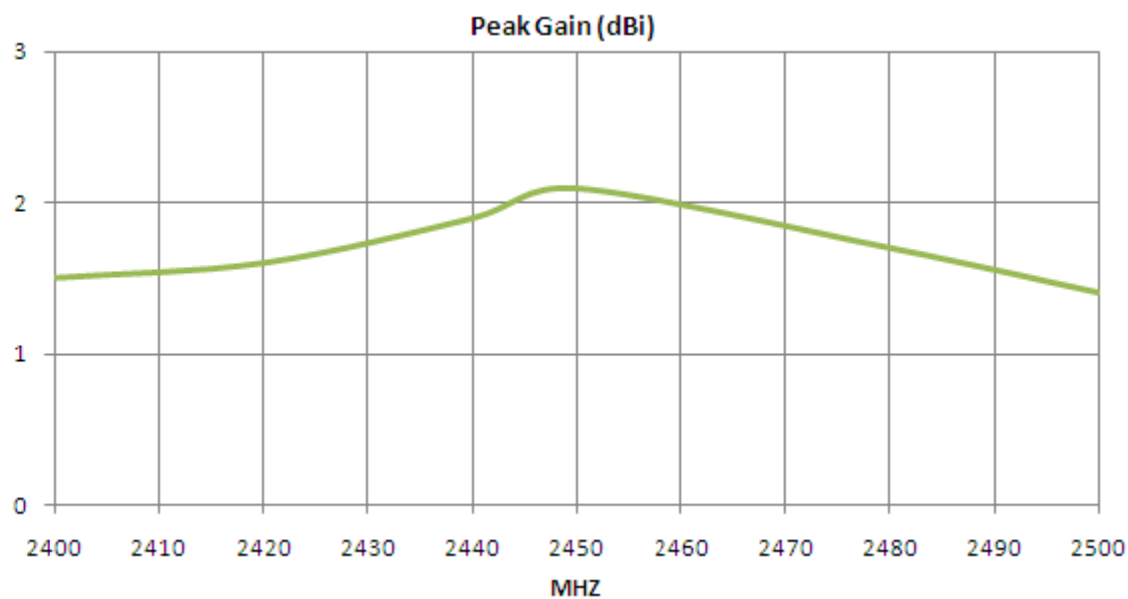


Figure 3. Peak Gain of the WPC25A Antenna.



IV. MECHANICAL DRAWINGS

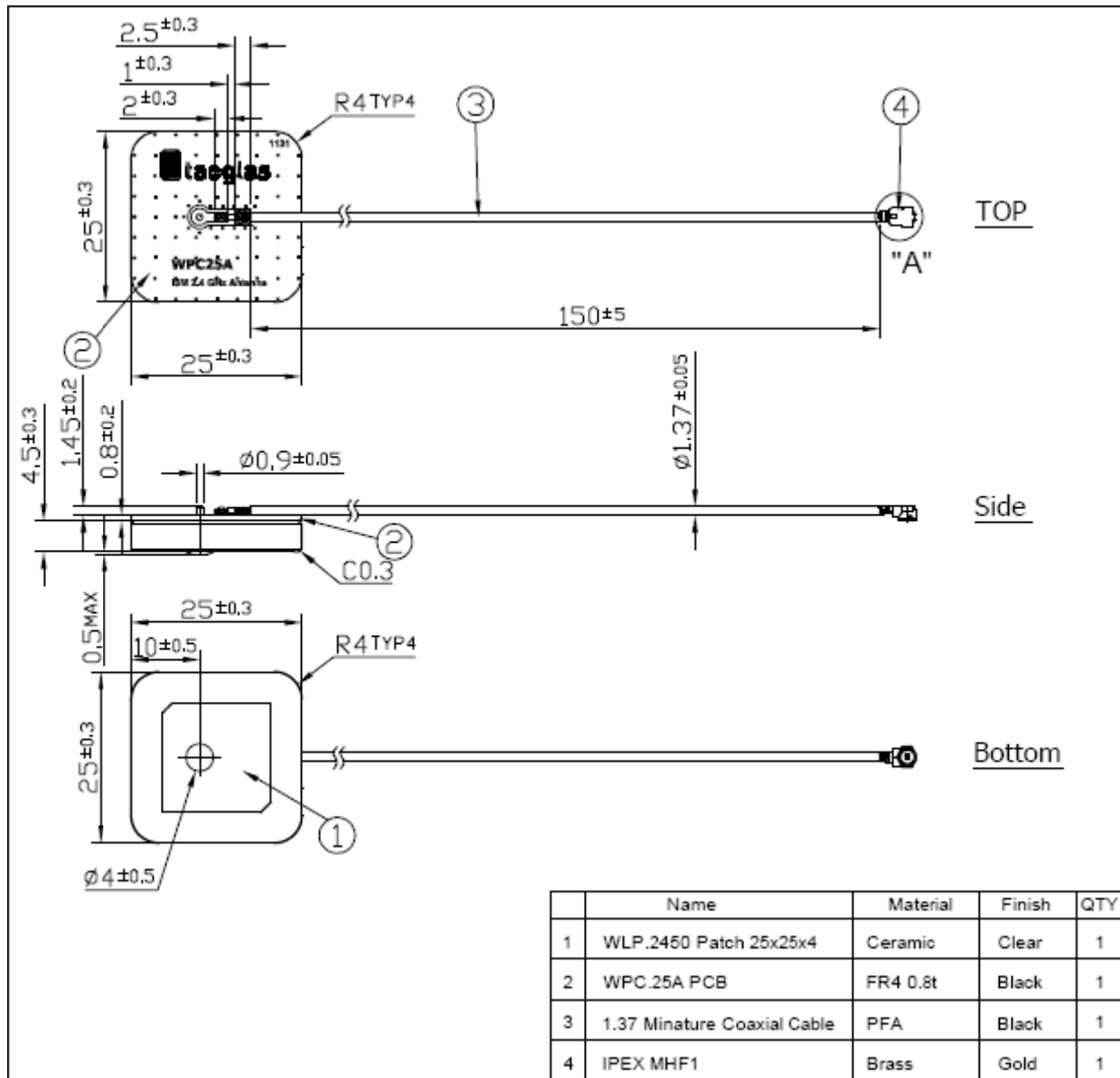


Figure 4. Mechanical drawing of the WPC25A Antenna.