

SPEC NO.	:	SP03AB24504-010
PART NO.	:	03A15B620077120
PRODUCT NAME	:	DA 2450B
DESCRIPTION	:	Patch Antenna(25*25*4.5mm) ROHS Compliant Product

1.0 SCOPE

This specification covers the dielectric antenna for Wirelss LAN.

2.0 Name of the product

This product is named "Dielectric Antenna" .

3.0 Electrical characteristics

3-1 Electrical characteristics of antenna

The antenna has the electrical characteristics given in Table 1 under the cirocomm standard installation conditions shown in the figure in Appendix

Table 1

No	Parameter	Specification	Notes
1	Range Of Receiving Frequency	2450MHz \pm 50MHz	
2	Center Frequency	2487MHz \pm 4MHz	With 59 _{mm} ² Square GND Plane
3	Bandwidth	80 MHz min	Return Loss \leq -10dB
4	VSWR	1.5 max	Center Frequency
5	Gain at Zenith	+5.0 dBi typ.	
6	Gain at 10° Elevation	-1.0 dBi typ.	
7	Axial Ratio	3 dB max	
8	Polarization	RHCP	Right Hand Circular Polarization
9	Impedance	50 Ohm	

10	Frequency Temperature Coefficient (τ_f)	$0 \pm 20\text{ppm} / ^\circ\text{C}$	-40°C to $+105^\circ\text{C}$
11	Operating Temperature		-40°C to $+105^\circ\text{C}$

4.0 Shape and Dimension

