

WPANT40144-S3A

450-470 MHz PCB Antenna

World Products Inc.
WPANT40144-S3A

460 MHz

Date Code



Note: Different cable and connector style requests can be accommodated.

Application

This is a 450-470 MHz rigid PCB antenna.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further help to troubleshoot system integration issues such as TRP/TIS and FCC requirements.

Electrical Properties

Operating Frequency	450 – 470 MHz
Approximate Antenna Impedance [Ω]	50 Ω
VSWR (Typical)	< 3:1
Peak Gain	+1 dBi
Polarization	Linear
Pattern	Near Omni-directional

Mechanical / Environmental Properties

Antenna Dimensions**	6.10" L x 0.98" W x 0.055" T* (155mm x 25mm x 1.4mm) <small>*Thickness includes VHB tape</small>
Antenna Color	Black
Material	31 mils FR406 (single sided copper)
Cable	1.13 mm dia coax
Cable length (total)	305 mm (12")
Connector Terminal	IPX MHF
Bottom Adhesive	3M 4930 VHB tape
Operating / Storage Temperature	-40°C to +90°C
UV Tolerance	100% UV Resistant
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

Pictures (Antenna by itself)

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IPX MHF connector

Note: These pictures are for demonstration purpose only