

LARSEN® DUAL/WIDE BAND ANTENNAS

WLAN and Wi-Fi deployment is growing rapidly and so is the need for advanced technologies and multi band antennas. The roll-out of the 4.9 GHz band for public safety networks, requiring virtually the same antenna technology, represented a challenge for equipment manufacturers desiring to keep costs down and unique inventory to a minimum.

In response to these demands, Larsen has developed a unique line of products with “dual/wide band” capabilities. These products are designed to cover 802.11a, b and g, as well as the 4.9 GHz band. They are also designed to deliver superior electrical performance through efficient signal coverage. Larsen antenna designs cover virtually every requirement from the router to complete indoor coverage.



LARSEN® DUAL/WIDE BAND ANTENNAS

MODEL	FREQUENCY (MHz)
R380.500.314	2400-2500 / 4900-5900
SPECIFICATIONS	
GAIN	1.6 dBi / 5 dBi Max
VSWR	2:1
IMPEPDANCE	50 Ohms
POLARIZATION	Linear Vertical
RADIATION PATTERN	E Plane: 85° Low Band 30° High Band H Plane: Omni-directional
OPERATING TEMPERATURE	-22° to +158° F
RADOME ENCLOSURE	PC / ABS
CONNECTOR	RP-TNC
COAX	Order Separately
DIMENSIONS	Bent: 6.1" H x 1.55" W Straight 7.15" H x .57" Dia

MODEL	FREQUENCY (MHz)
R380.900.908	2400-2500 / 4900-5900
SPECIFICATIONS	
GAIN	4.5 dBi / 5 dBi
VSWR	2 Maximum
IMPEPDANCE	50 Ohms
POLARIZATION	Linear Vertical
RADIATION PATTERN	Omni-directional
MAXIMUM INPUT POWER	10 Watts
OPERATING TEMPERATURE	+32° to +167° F
RADOME ENCLOSURE	UV Stabalized ABS
CONNECTOR	SMA Jack (Female)
COAX	2' RG-58A/U (white)
DIMENSIONS	3" H x 6.9" L x 1.8" D
MOUNTING	Direct Feed 3/4" hole

MODEL	FREQUENCY (MHz)
R380.900.909	2400-2500 / 4900-5900
SPECIFICATIONS	
GAIN	5.5 dBi / 9 dBi
VSWR	2 Typical
IMPEPDANCE	50 Ohms
POLARIZATION	Linear Vertical
PATTERN	Directional Patch
3 dB BEAMWIDTH IN H PLANE	97° / 65°
3 dB BEAMWIDTH IN E PLANE	68° / 50°
FRONT TO BACK RATIO	-15 dB Minimum
MAXIMUM INPUT POWER	20 Watts
OPERATING TEMPERATURE	+32° to +167° F
RADOME ENCLOSURE	UV Stabalized ABS / PC
CONNECTOR	RP-TNC Plug (Male)
COAX	3' RG-58A/U (white)
DIMENSIONS	4.72" H x 3.5" W x 1.65" D
MOUNTING	Wall / Corner / Mast

MODEL	FREQUENCY (MHz)
R380.900.500	2400-2500 / 4900-5900
SPECIFICATIONS	
GAIN	2 dBi
VSWR	2 Maximum
IMPEPDANCE	50 Ohms
POLARIZATION	Vertical
RADIATION PATTERN	E Plane: Dipolar H Plane: Omni-directional
CROSS POLARIZATION	-15 dB
MAXIMUM INPUT POWER	20 Watts
OPERATING TEMPERATURE	-49° to +194° F
RADOME ENCLOSURE	ABS
CONNECTOR	N
COAX	12" RG-58A/U (white)
DIMENSIONS	.44" H x 3" Diameter
MOUNTING	Direct Feed 3/4" hole