

TERMINAL & INFRASTRUCTURE MULTI BAND

WLAN and Wi-Fi deployment is growing rapidly, and so is the need for advanced technologies and multi band antennas.

In addition, 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 developed a unique line of products with “dual / wide band” capabilities. These products are designed to cover 802.11a, b & g, as well as the 4.9 band, while delivering superior electrical performance through efficient signal coverage.

Larsen antenna designs cover virtually every requirement from the router to complete indoor coverage.



TERMINAL & INFRASTRUCTURE MULTI BAND



Dual band in-building omni ceiling for 802.11a/b/g, WLL and broadband applications.

MODEL	FREQUENCY (MHz)
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R380.900.500	2400 - 2500 / 4900 - 5900
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Note: See Page 194 for optional wall or ceiling mount bracket.

SPECIFICATIONS	
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GAIN	2 dBi
TYPE	In Building
VSWR	2 Maximum
IMPEDANCE	50 Ohms
POLARIZATION	Vertical
RADIATION PATTERN	Vert Plane: Dipolar Horiz Plane: Omni-directional
CROSS POLARIZATION	-15 dB
MAX INPUT POWER	20 Watts
OPERATING TEMP	-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



Dual band mast/wall mountable directional patch antenna for 802.11a/b/g applications.

MODEL	FREQUENCY (MHz)
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R380.900.909	2400 - 2500 / 4900 - 5900
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SPECIFICATIONS	
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GAIN	5.5 dBi / 9 dBi
TYPE	In Building
VSWR	2 Typical
IMPEDANCE	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
MAX INPUT POWER	20 Watts
OPERATING TEMP	+32° to +167° F
RADOME ENCLOSURE	UV Stabilized ABS / PC
CONNECTOR	RP-TNC Plug (Male)
COAX	3' RG-58A/U (White)
DIMENSIONS	4¾" H X 3½" W X 1½" D
MOUNTING	Wall / Corner / Mast

TERMINAL & INFRASTRUCTURE MULTI BAND

MODEL	FREQUENCY (MHz)
R380.500.314	2400 - 2500 / 4900 - 5900

SPECIFICATIONS	
GAIN	1.6 dBi / 5 dBi Max
TYPE	PCB
VSWR	2:1
IMPEDANCE	50 Ohms
POLARIZATION	Linear Vertical
RADIATION PATTERN	E Plane: 85° Low Band 30° High Band H Plane: Omni-directional
OPERATING TEMP	-22° to +158° F
RADOME ENCLOSURE	PC / ABS
CONNECTOR	RPTNC
COAX	Order Separately
DIMENSIONS	Bent: 6.1" H X 1.55" W Straight: 7.15" H X .57" Diameter



Dual band swivel mount dipole.

MODEL	FREQUENCY (MHz)
R380.900.908	2400 - 2500 / 4900 - 5900

SPECIFICATIONS	
GAIN	4.5 dBi / 5 dBi
TYPE	In building
VSWR	2 Maximum
IMPEDANCE	50 Ohms
POLARIZATION	Linear Vertical
RADIATION PATTERN	Omni-directional
MAX INPUT POWER	10 Watts
OPERATING TEMP	32° to +167° F
RADOME ENCLOSURE	UV Stabilized ABS
CONNECTOR	SMA Jack (Female)
COAX	2' RG-58 A/U (White)
DIMENSIONS	3" H X 6.9" W X 1.8" D
MOUNTING	Direct Feed 3/4" Hole



Bi-directional ceiling mount for 802.11a/b/g applications.



TERMINAL & INFRASTRUCTURE



SMR/Cellular/PCS multi band ceiling mount antenna with Plenum rated RG-58 cable and N Female termination.

MODEL	FREQUENCY (MHz)
R380.900.910	806 - 890 / 1710 - 1990

SPECIFICATIONS

GAIN	2 dBi
TYPE	In building
VSWR	2.3 maximum
IMPEDANCE	50 Ohms
POLARIZATION	Vertical
RADIATION PATTERN	E Plane: Dipolar Type H Plane: Omni-directional
CROSS POLARIZATION	-15 dB
MAX INPUT POWER	10 Watts
OPERATING TEMP	-49° to +194°
RADOME ENCLOSURE	ABS
CONNECTOR	N Female
COAX	12" RG-58A/U (White)
DIMENSIONS	2.3" H x 7.5" Diameter
MOUNTING	Direct Feed 3/4" Hole