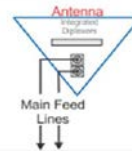# V7C-FRO-460

Vpol Antenna with Fast Roll Off, 50.5", 58° H-Beam

698-896 MHz

- Vertical Pol. Antenna
- Fast Roll Off (FRO)
- Suitable for LTE/CDMA/UMTS/GSM
- Optional Internal Diplexers

Available with Integrated Diplexers

Reduces mainline cables

Eliminates external devices

ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-896
Horizontal Beamwidth, 3dB points	58º
Vertical Beamwidth, 3dB points	14.5º
Polarization	Vertical
Gain @ 698 MHz	14.8 dBi
Gain @ 782 MHz	15.3 dBi
Gain @ 896 MHz	15.8 dBi
Electrical Downtilt Range, 2º Increments	0-10º
VSWR/Return Loss	<1.40:1 / 15.6 dB
VSWR / Return Loss w/ip	<1.50:1 / 14.0 dB
Front-to-Back at Horizon	>30 dB
Upper Side Lobe Suppression	<-18 dB
Impedance	50 Ohms
Power Input Per Connector CW, (w)	500
Intermodulation (2x20W)	<-150 dBc

All Specifications are subject to change.
Refer to www.jmawireless.com for the most current information

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MECHANICAL SPECIFICATIONS

Input Connector (female)	Back 7/16 DIN or w/bot. opt.
Recommended Connector Coupling Torque	7/16 DIN: 220-265 lbf-in (25-30 N-m)
Antenna Dimensions (LxWxD)	50.5 x 14.6 x 8.0 in. (1282 x 372 x 203mm)
*Antenna Weight	24.2 lbs
Bracket Weight	13.2 lbs
RF Distribution	Printed Microstrip Substrate
Radome	Ultra High-Strength Luran
Weatherability	UV Stabilized, ASTM D1925
Radome Water Absorption	ASTM D570, 0.45%
Environmental	MIL-STD-810E
Wind Survival	150 mph
Front Wind Load @100mph	127 lbf
Equivalent Flat Plate @100mph	2.59 sq-ft. (c=2)
Mounting Brackets (919011)	Fits 3.5 Inch Max. O.D. Pipe
Mechanical Downtilt Range	0-12°
Standard Bracket Kit	P/N 919011 (Included)
Clamps/Bolts	Galvanized Steel/Stainless Steel

ORDER INFORMATION

MODEL	DESCRIPTION
V7C-FRO-460-x	"-x" is a placeholder for the built-in fixed electrical downtilt in degrees, set to 0, 2, 4, 6, 8 or 10
V7C-FRO-460-xip	"ip" option includes pass-thru integrated diplexer(s) which pass DC to the diplexer port(s)
V7C-FRO-460-xip-bot	for bottom mounted connectors, add "-bot" (otherwise antenna comes standard with back mounted connectors)
919036	Optional Bracket Kit, 2-Point, 12deg D-tilt, For 4.5" OD Pole

*Antenna Weight may vary slightly with options.

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