

V7C-FRO-840 Vpol, 40° H-Beam

698-896 MHz

Electrical Specifications

Machanical	Specifications
wechanical	Specifications

Frequency	698-896 MHz
Polarization	Vertical
Gain @ 698 MHz	18.4 dBi
Gain @ 782 MHz	18.9 dBi
Gain @ 896 MHz	19.5 dBi
Horizontal Beam (3dB Points)	40°
Vertical Beam (3dB Points)	8°
Elect. Downtilt Range, 2º Increments	0-10°
VSWR (0° ET) / Return Loss	<1.45:1 / 14.7 dB
VSWR (2, 4 & 6° ET)	<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	500 CW at 800 MI
Intermodulation (2x20W)	<-150 dBc

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Input Connector (female)
Antenna Dimensions (LxWxD)
*Antenna Weight
Bracket Weight
RF Distribution
Radome
Weatherability
Radome Water Absorption
Environmental
Wind Survival
Front Wind Load @100mph
Equivalent Flat Plate @100mph
Mounting Brackets
Mechanical Downtilt Range
Clamps/Bolts

Back 7/16 DIN or w/bot. opt. 96.0 x 18.8 x 8.9 in. (2438 x 478 x 226mm) 57.4 lbs 18.2 lbs Printed Microstrip Substrate Ultra High-Strength Luran UV Stabilized, ASTM D1925 ASTM D570, 0.45% MIL-STD-810E 135 mph 312 lbf 6.36 sq-ft. (c=2) Fits 3.5 Inch Max. O.D. Pipe 0-6° Galvanized Steel/Stainless Steel



MHz

Ordering Information & Options

V7C-FRO-840-x V7C-FRO-840-xip V7C-FRO-840-xip-bot

"-x" is a placeholder for the built-in fixed electrical downtilt in degrees, set to 0, 2, 4, 6, 8 or 10 "ip" option includes pass-thu integrated diplexer(s) which pass DC to the diplexer port(s) for bottom mounted connectors, add "-bot" (otherwise antenna comes standard with back mounted connectors)

*Antenna Weight may vary slightly with options.

