

WT360X12F_{xz}10

Features

- Omni configuration with 2 connectors
- Ideal for Small Cell / DAS applications
- Available with 4.3-10 or 7/16-DIN connectors
- Three unique mounting options
- Available for order with a grey, brown or black radome



PRODUCT OVERVIEW	Frequency Range (MHz)	MID BAND
		1695-2180
	Array	■ Y1
	Connector	2 PORTS
	Polarization	XPOL
	Azimuth Beamwidth (avg)	360°
	Electrical Downtilt	0°, 2°, 6°
	Configuration	OMNI CONFIGURATION
	Connector Type	(2x) 4.3-10 FEMALE or 7/16-DIN CONNECTORS
	Dimensions	1219 x Ø191 mm (48.0 x Ø7.5 in)
	Radome Color Options	GREY, BROWN or BLACK

ELECTRICAL SPECIFICATIONS Mid Band

■ Y1

Frequency Range	MHz	1695-2180		
Frequency Sub-Range	MHz	1695-1880	1850-1990	1900-2180
Polarization	---	±45°		
Gain	dBi	9.0	9.5	10.0
Azimuth Beamwidth (3 dB)	degrees	360°	360°	360°
Elevation Beamwidth (3 dB)	degrees	7.6°	7.1°	6.5°
Electrical Downtilt	degrees	(x) 0°, 2°, 6°		
Impedance	Ohms	50Ω		
VSWR	---	< 1.4:1		
Passive Intermodulation 3rd Order for 2x20 W Carriers	dBc	< -153		
Upper Sidelobe Suppression	dB	> 16		
Isolation Between Ports	dB	24		
Input Power	Watts	300W		

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

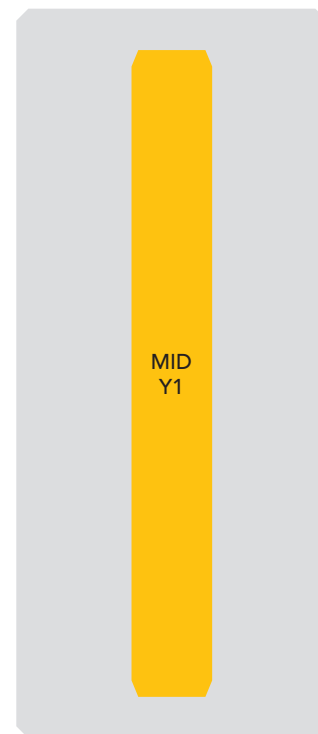
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MECHANICAL SPECIFICATIONS

Antenna	Height	mm (in)	1219 (48.0)
	Diameter	mm (in)	191 (7.5)
Net Weight - Antenna Only		kg (lbs)	8.6 (19)
Windload	Calculation	km/h (mph)	160 (100)
	Frontal	N (lbf)	125 (28)
Survival Wind Speed		km/h (mph)	241 (150)
Wind Area		m ² (ft ²)	0.23 (2.5)
Volume		m ³ (ft ³)	0.03 (1.2)
Connector	Type	---	(2x) 4.3-10 Female or 7/16-DIN Female
	Position	---	Bottom
Radome Color		---	Grey (Pantone 420 C), Brown (Pantone 476 C), Black (RAL 9011)
Operating Temperature		degrees	-40° to +60° C (-40° to +140° F)
Lightning Protection (Grounding Type)		---	Direct Ground

ARRAY LAYOUT Topology

FREQUENCY		ARRAY	CONNECTOR	CONNECTOR TYPE
MID BAND	1695-2180	■ Y1	1-2	(2x) 4.3-10 Female or 7/16-DIN Female

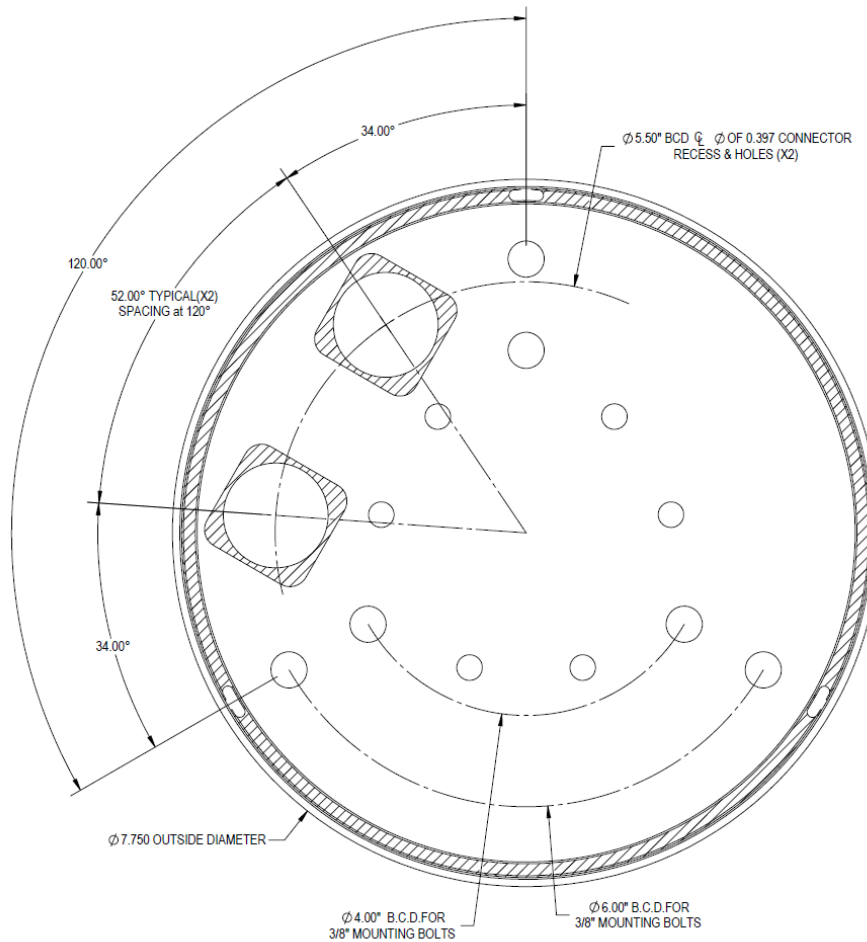


The illustration is not shown to scale.

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BOTTOM VIEW - CONNECTOR DIAGRAM



INSTALLATION Please read all installation notes before installing this product.






Always attach the antenna using all mounting points.

Do not install the antenna with the connectors facing upwards.

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MOUNTING KITS Select from the following mounting options when ordering. Mounting kits for canister antennas are ordered as a separate line item.

MODEL NUMBER		DESCRIPTION
CWT-MKS-SIDE		SIDE MOUNTING BRACKET KIT FOR CANISTER ANTENNA
CWT-MKS-TOP		TOP MOUNTING BRACKET KIT FOR CANISTER ANTENNA
WB3X-MKS-01		UTILITY POLE MOUNTING BRACKET KIT FOR CANISTER ANTENNA

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HOW TO READ THE MODEL NUMBER

Each letter and number has meaning.

NUMBER OF BANDS and OPERATING FREQUENCY	PATTERN TYPE	AZIMUTH BEAMWIDTH	POLARIZATION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	RADOME COLOR OPTIONS
W	T	360	X	12	F	x	z	10	BK BR
(1x) 1695-2180	Tri-Sector or Omni	360°	XPOL	1.2 meters	Fixed Tilt	This letter is a placeholder for fixed tilt options. Refer to Electrical Specifications for available tilt options.	This letter is a placeholder for the connector type. Replace "z" with the letter "s" for 4.3-10 connectors or with "D" for 7/16-DIN connectors	Variations of the same antenna or similar antennas may be available. Refer to the data sheets to compare different variations.	BK indicates a Black radome. BR indicates a Brown radome. The default radome color is Grey. No letters are required for a Grey radome.

ORDERING OPTIONS

Select from the following ordering options

SELECT RADOME COLOR	SELECT DEGREE OF ELECTRICAL DOWNTILT	SELECT CONNECTOR TYPE	
		4.3-10 CONNECTORS	7/16-DIN CONNECTORS
Grey Pantone 420 C	0°	WT360X12F0 _s 10	WT360X12F0 _D 10
	2°	WT360X12F2 _s 10	WT360X12F2 _D 10
	6°	WT360X12F6 _s 10	WT360X12F6 _D 10
Brown Pantone 476 C	0°	WT360X12F0 _s 10BR	WT360X12F0 _D 10BR
	2°	WT360X12F2 _s 10BR	WT360X12F2 _D 10BR
	6°	WT360X12F6 _s 10BR	WT360X12F6 _D 10BR
Black RAL 9011	0°	WT360X12F0 _s 10BK	WT360X12F0 _D 10BK
	2°	WT360X12F2 _s 10BK	WT360X12F2 _D 10BK
	6°	WT360X12F6 _s 10BK	WT360X12F6 _D 10BK

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