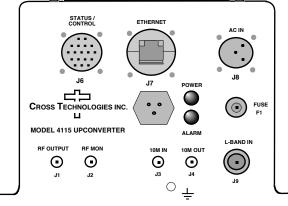
DATA SHEET

REV. H 11/16/15

4115-300 Ka-band Block Upconverter, Weather Resistant

The 4115-300 Ka-band Block Upconverter converts 0.95 - 1.95 GHz up to 27.5 - 31.0 GHz in four selectable fixed bands. Front panel LEDs provide indication of DC Power and PLL Alarms. The L-band to RF gain is +30 dB. Connectors are 2.92.mm for RF Out and RF Monitor. SMA for the external reference input and reference output and Type N (all female) for the L-band. Gain, band select, and internal 10 MHz frequency are controlled by the Ethernet M&C. In AUTO, the 10 MHz reference stays in external if the external level is in the +2 to +8 dBm range. It is powered by a 100-240 ± 10% VAC power supply, and mounted in a 8"W X 6"H X 16"D Weather Resistant enclosure. Α



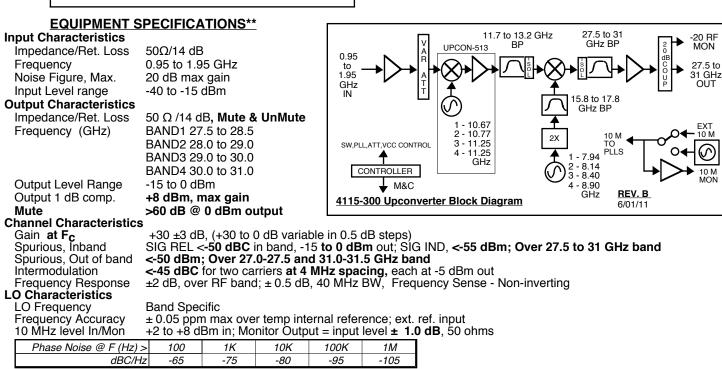
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"out in the elements" (water, sleet, snow, etc.) but they are not designed to be "submerged under" water. If an extended temperature range is required, there is an

Extended Temperature option (Option W21; -30°C to +60°C) available at an additional cost. Contact Cross for quote.

specified temperature ranges. They are designed to be located

*Weather Resistant enclosures are designed to be water resistant for installation in an outdoor enclosure/antenna hut OR mounted outdoors on an antenna assembly at their



Controls, Indicators

PLL Alarm

Power

Gain, band select, and internal 10 MHz frequency via Ethernet M&C or Status/Control Connector Gain, Band, 10M Freq. Red LED, External Contact Closure Green LED

Other

	Connectors*	Connector Part #	Mating Connector Part #		Additional Connector Specifications*			
	Status/Control Connector	MS3112E14-18S	MS3116F14-18P	1	RF Out, RF Mon. Connectors	L-Band Connector	10MHz Connectors	
	Ethernet Connector/RJ45	RJF21B	RJF6G		2.92 mm,	Type N	SMA	
	AC Input Connector**	CL1M1102	CL1F1101		40 GHz (female) 50Ω	(female) 50Ω	(female) 50Ω	
S	ize	8" Wide X 6" H	igh X 16" Deen Weath	- er	Resistant* Enclo		ectors are Weather R	le:

esistant Size eather Resistant ` Enclosure 100-240 ±10% VAC, 47 - 63 Hz, 25 watts max., Power

FCI Clipper Series CL1M1102 Weather Resistant Connector

*+0 to +50 degrees C; Specifications subject to change without notice

