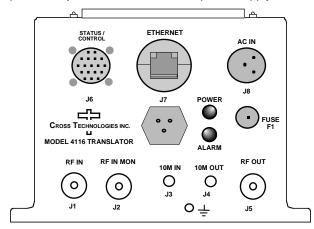
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## DATA SHEET

REV. D 06/04/14

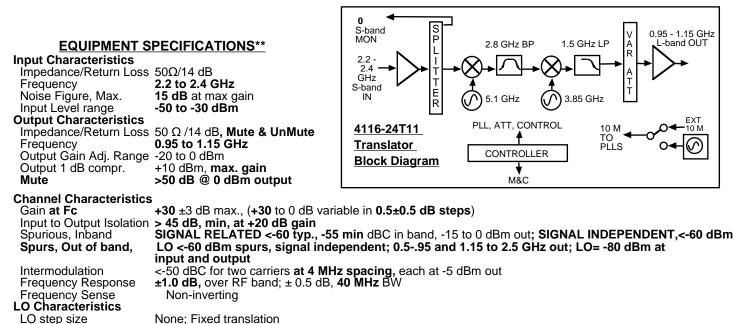
## 4116-24T11 Translator, S-band to L-band, Weather Resistant\*

The 4116-24T11 Translator converts 2.2 - 2.4 GHz to 0.95 - 1.15 GHz. Front panel LEDs provide indication of DC Power, and PLL Alarm. The S-band to L-band gain is **+30 dB**, maximum. Connectors are Type N female for the L-band out, S-band in and S-band in Monitor and SMA female for the external 10 MHz reference input. Gain, **mute**, and internal 10 MHz frequency are controlled by the M&C (Ethernet and/or Status/Control). In AUTO, the 10 MHz reference stays in external if the external level is in the +2 to +8 dBm range. The 4116 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.



\*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 specified temperature ranges. They are designed to be located "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.



Frequency Accuracy ± 0.05 ppm max over temp internal reference; ext. ref. input 10 MHz level In/Mon Input=+2 to +8 dBm in. Monitor Output = Input Level  $\pm$  1.0 dB, 50 $\Omega$ Phase Noise @ F (Hz) > 100 1K 10K 100K 1MdBC/Hz -70 -78 -83 -100 -110

#### Controls, Indicators Gain, 10M Frequency Power, PLL Alarm

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

Connectors*	Connector Part #	Mating Connector Part #	Additional Connector Specifications*		
Status/Control Connector	MS3112E14-18S	MS3116F14-18P	<b>S-band In, Monitor</b> Type-N (Female) 50Ω	<b>L-band Out</b> Type-N (Female) 50Ω	<b>10MHz Connectors</b> SMA (Female) 50Ω
Ethernet Connector / RJ45	RJF21B	RJF6G			
AC Input Connector***	CL1M1102	CL1F1101			

\*All Cable Connectors are Weather Resistant \*\* Unless otherwise specified, the mating connector is provided preasembled onto a standard NEMA 5-15P U.S. power cord.

### Other

Size Power 8"W X 6"H X 16"D Weather Resistant\* Enclosure.

100-240 ±10% VAC, 47 - 63 Hz, 25 watts maximum.

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

Request A Quote