

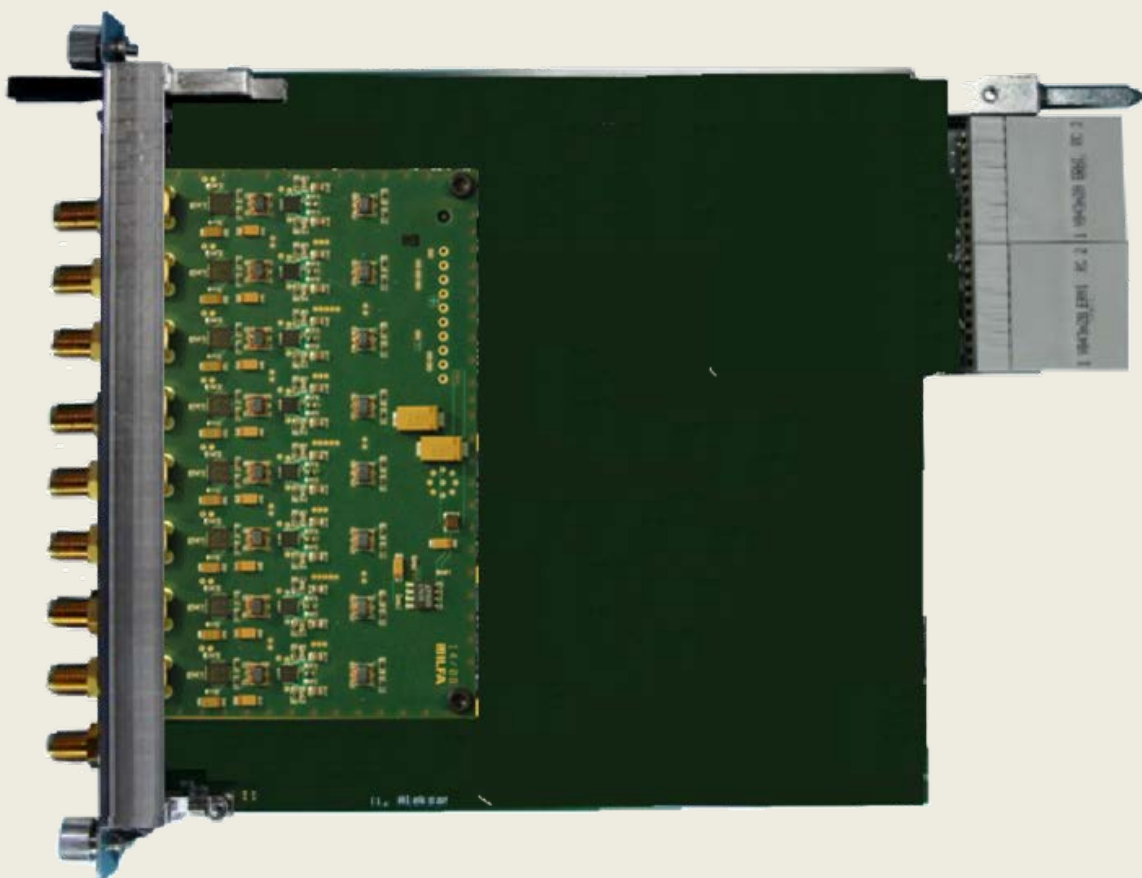
ERTM-RF18-1.3GHz

General Description:

The ERTM-RF18-1.3GHz is a 8 channel high frequency down-converter RTM module compliant to MTCA.4 specification. The input center frequency is 1.3 GHz. Each output of the down-converter is fully differential and available at the to ZONE 3 connector. LO and clock signals are externally provided from the front panel. The module is developed in collaboration with Cryoelectra GmbH.

eicSys and Cyoelectra offer module for different frequencies and number of outputs according to customer needs.

Picture:



All specifications are subject to change without further notice

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Description

Standard	MTCA.4	
Physical Dimensions	double width, mid-size, full-size	
RF Inputs	No. of inputs	8
	Frequency	1250 – 1350 MHz
	Input power at P1	9.5 dBm (typ)
LO Input	Frequency	1250 – 1350 MHz
	Nominal input power	10 dBm (typ)
IF Outputs	Frequency	1-50 MHz
	Conversion loss	-2 dB (typ)
	Noise figure	18 dB (typ)
	Spurious signals	<-60 dBc
	Filter cut-off	60 MHz
	Harmonic distortion (IF < 15 MHz, RF input power < 0 dBm)	1%
	Harmonic distortion (IF > 30 MHz, RF input power < 9 dBm)	0.25%
Inter channel crosstalk	<65dB	
Ordering Information	ERTM-RF18-1.3GHz	
Related Products	eicSys EAMC-D102	
	Struck SIS 8300	
Other Features		
Onboard	RTM management Firmware upgrade Voltage and current monitor LEDs Mechanical	With power supply and current monitoring IPMI management control
		Hot swap ejector handle
Environmental	Operating temperature	0 – 50°C
	Storage temperature	-40 – 90°C
	Relative humidity	5 to 90%, non-condensing
	Weight	0.4 kg

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Developed and by:

eicSys Hamburg in collaboration with Cryoelectra

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