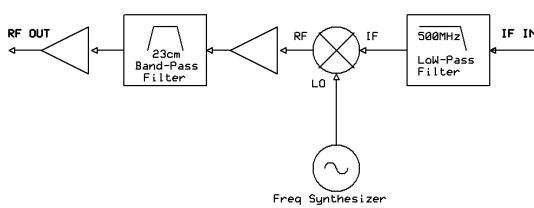




Model 23-6 23 cm UP - CONVERTER



The Model 23-6 is an Up-Converter for the 23cm band with 19 dB of conversion gain. The Schotky diode mixer features a high level LO drive. The LO is provided by an easily re-programmable, frequency synthesizer. A three position, front panel toggle switch allows the selection of three pre-programmed LO frequencies. Specify the desired LO frequencies when ordering. For example, to transmit on all ten possible, 23 cm, 6 MHz, TV channels (23-1 thru 23-10) use a CATV modulator on cable channels 41 thru 50 (324-384MHz), and specify an LO of 916 MHz. Note: the 23-6 is not recommended for use with a DVB-T modulator.

PARAMETER	Typical Performance	Notes
RF Output Frequency Range	1240 - 1300 MHz	23cm amateur radio band
IF Input Bandwidth	5 to 500 MHz	-3 dB
Conversion Gain	19 dB, nominal, ± 1 dB	IF in to RF out
Max. RF Output Power	+16 dBm	at -1 dB gain compression
Recommended max RF Output	+10 dBm	for ultra-linear operation
LO range	0.9 to 1.4 GHz	frequency synthesized
LO Frequencies	3 selectable by front panel switch	Specify desired LO frequencies when ordering
DC Supply Voltage	+12 Vdc, nominal at 270 mA	+9 to +15 V range
RF & IF Connectors	SMA standard	optional: BNC or F for IF Input
Dimensions	4.2" x 1.8" x 7.4" (w x h x d)	

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