

### Specifications

X-BAND UP CONVERTER		
Input Frequency Range		720 MHz / 1.2GHz
Input Impedance		50 ohms
Output Frequency Range		7900 - 8400 MHz
Bandwidth		±300MHz
Input /Output VSWR		1.5:1
Conversion		Dual Conversion, No Inversion
Step Size		0.5/1.0 MHz
RF Output Level		≥+10dBm @1dB compression
Noise Figure		12dB max
Spurious	Non-Carrier Carrier-Related	<-80 dBm <-60 dBc
Output Impedance		50 Ohms
Gain (RF to IF) & Gain Control		20-50 dB typ. adjustable in 0.5/1.0dB step.
Gain Flatness		≤ ±1.0 dB @Full Band ≤ ±0.5 dB @ over 50MHz
Internal Reference Stability		1 x 10 <sup>-7</sup> over temperature range
External Reference		5 / 10 MHz, -3 to +5 dBm, 50 ohms Internal/ External auto selection
Phase Noise @ offset		100 Hz : -72 dBc/Hz 1K Hz : -84 dBc/Hz 10K Hz : -94 dBc/Hz
RF / IF Connectors		SMA / N-type, Rear Panel
Input Power		230 V , 50 Hz ± 10%
Humidity		Up to 95 %
MTBF		> 50,000 Hours
Mechanical		19" Rack Mountable

### Applications



Aerospace



Defence



Satcom



Broad Casting

