

Frequency Multipliers

X2, X4, X8 & X48 Multiplication

SPECTRUM MICROWAVE



This Microwave Integrated Assembly provides x2, x4, x8 and x48 frequency outputs from a single input frequency. The multiplier is designed for airborne applications and has field replaceable RF connectors. The entire assembly is designed to be slid into a channel for systems installation without the need to solder wires or screw on connectors. This design incorporates single stage active doublers, amplifiers, SRD multipliers, power splitters, bandpass filtering, voltage conditioning and BIT circuits and provides excellent phase noise performance.

Typical Performance Characteristics

Power input	10 dBm
Power output	10 dBm
Input Frequency	105 – 225 MHz
Bandwidth	2%
Output Frequency	. . . X2, X4, X8, X48 of the input frequency
Harmonics	≤ -60 dBc
Sub-Harmonics	≤ -60 dBc
Power	28 VDC, ≤ 275 mA
	-15 VDC @ ≤ 75 mA
Package Size	7" x 10" x 0.9"

