

Multi-Function Assemblies

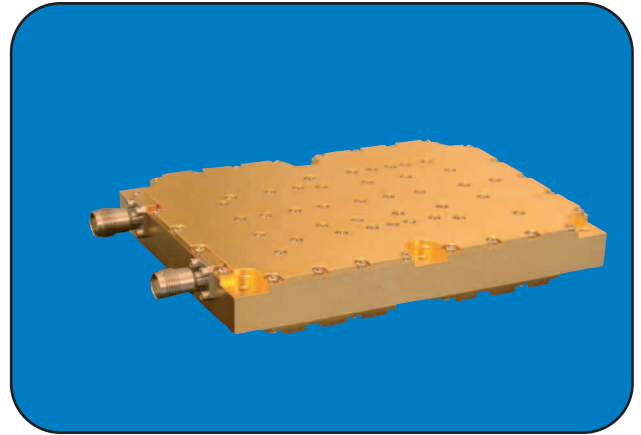
Microwave Altimeter Assembly, C-Band

Model: MFX128



Features:

- Low Noise Figure
- Wide Dynamic Range
- RF & Video Agc
- Compact Design
- Fast Frequency Control for Phase Shifting in a Zero IF System
- Selectable Video Bandwidths for S/N Optimization



Electrical Specifications

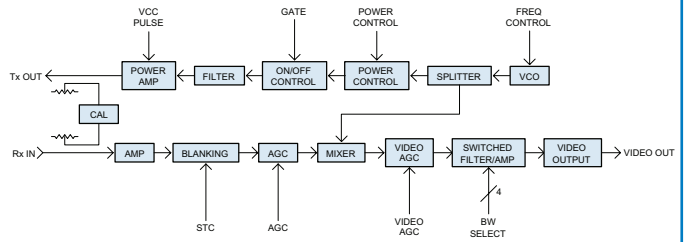
Frequency:	C-Band \pm 50 MHz
Transmitter:	
Power Output:	+ 30 dBm
Power Control Range:	60 dB min
Pulse On - Off Ratio:	70 dB min
Receiver:	
Noise Figure:	5 dB max, 3 dB typical
Input VSWR:	14 dB return loss
Blanking Ratio (stc):	60 dB min
Agc Range:	40 dB min
Video Agc Range:	40 dB min
Video Bandwidths:	
	25 MHz \pm 5 MHz
	5 MHz \pm 1 MHz
	2 MHz \pm 400 kHz
	1 MHz \pm 200 kHz
	500 kHz \pm 100 kHz
Noise Balance Between Bandwidths:	1 dB
Power Consumption:	12 W
	6.5 W, typical

Environmental Specifications

Operating Temperature: -40 to + 85 °C

Mechanical Specifications

Size: 5.9" x 4.33" x 1.11"
Weight: <1000 gms.



Specifications subject to change without notice.