

# Multi-Function Assemblies

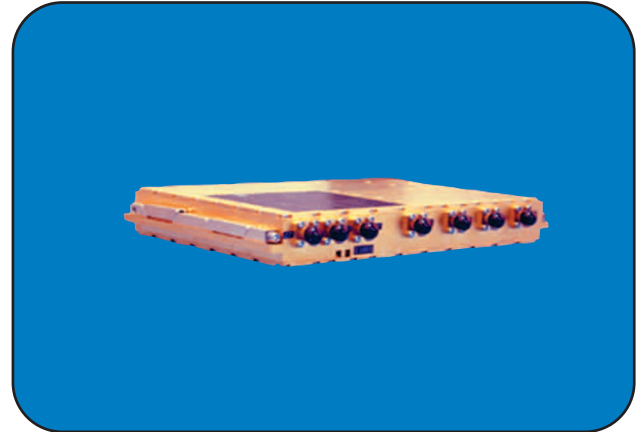
Multi-Output COHO Assembly, 0.1, 0.15, 1.4, 14.75 - 15.25 GHz

Model: MFS129



## Features:

- Fast Switching Speed (50  $\mu$ s)
- Low Phase Noise
- Complete Coherent Local Oscillator System
- Small Package



## Electrical Specifications

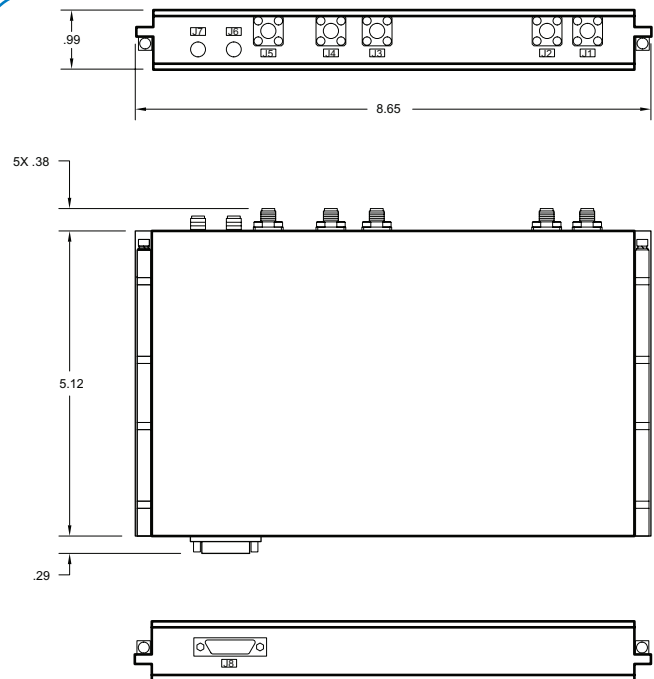
	CH1	CH2	CH3	CH4
Frequency Range:	100 MHz	1400 MHz	14.75 - 15.25 GHz	150 MHz
Step Size:			10 MHz	
Switching Speed:			50 $\mu$ s	
Output Power (dBm):	+ 14	+ 13	+ 16	+ 3
Power Flatness (dB):	$\pm 1.5$	$\pm 2.0$	$\pm 3.0$	$\pm 1.5$
SSB Phase Noise (dBc/Hz, typical)				
<b>Offset</b>				
100 Hz	- 116	- 93	- 69	- 116
1 kHz	- 136	- 111	- 90	- 136
10 kHz	- 145	- 114	- 98	- 145
Spurious: (dBc)				
< - 70	< - 65	< - 55	< - 65	
Harmonics: (dBc, max.)				
< - 40	< - 35	< - 40	< - 40	
Accuracy:				
$\pm 1$ ppm	$\pm 1$ ppm	$\pm 1$ ppm	$\pm 1$ ppm	
Tuning Control:	6 bit TTL, Differential plus Strobe			
BITE Scheme:	Phase Lock			
DC Power:	+ 15 VDC $\pm$ 10%, 2.0 mA			
	+ 15 VDC $\pm$ 5%, 1.0 mA			
	- 5 VDC $\pm$ 10%, 0.2 mA			

## Environmental Specifications

Operating Temp.: - 30 to + 85  $^{\circ}$ C  
 Environment: Missile

## Mechanical Specifications

Size: 8.7 x 5.8 x .99 inches  
 Weight: 2.9 lbs, nominal (1.3 kg)  
 Connectors:  
 RF SMA (F)  
 DC MDM 25 Pin (F)



Specifications subject to change without notice.