

Multi-Function Assemblies

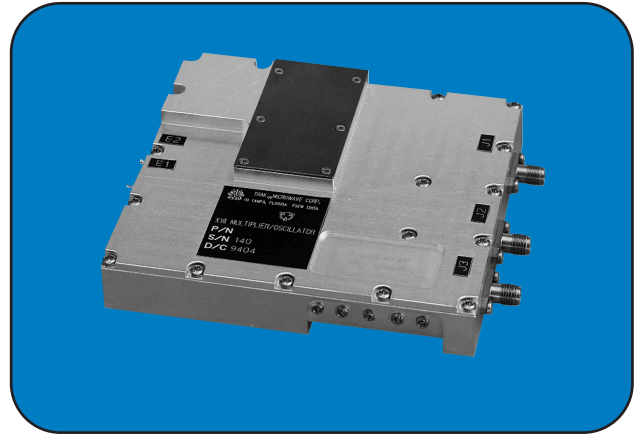
S-Level Beacon Source Assembly, 4 GHz

Model: MFS027



Features:

- Excellent Long Term Stability:
 - ± 8 ppm over 18 years
- Good Temperature Stability:
 - ± 0.8 ppm per any + 25 °C Variation
- IF & RF Outputs: UHF & S-Band
- Fully Redundant OCXO Function
- Low Power Consumption: < 2 watts
- S - Level Design



Electrical Specifications

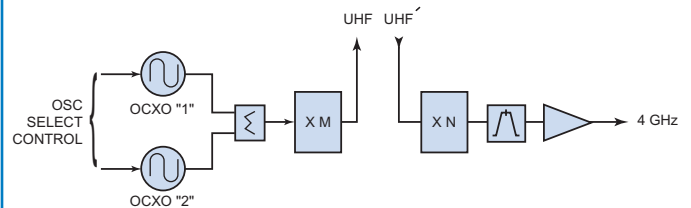
		RF Output
Operating Frequency:		4 GHz
Long Term Stability:		± 8 ppm/18 yr life
Temp. Stability:		< ± 0.8 ppm over any 25 °C variation
Power Level:		+ 4 dBm, nominal
Power Variation:		± 0.8 dB, maximum
Output VSWR:		1.68:1, maximum
Spurious:		- 65 dBc, nominal
Harmonics:		- 65 dBc, nominal
SSB Phase Noise (dBc/Hz, typical):		
	Offset	
	10 Hz	- 50
	1 kHz	- 110
	10 kHz	- 120
	1 MHz	- 124
DC Power:		
Surge		+ 9 ± 0.75 V @ 330 mA, nominal
Steady State (Vacuum)		
		+ 9 ± 0.75 V @ 220 mA, nominal

Environmental Specifications

Operating Temperature: - 20 to + 75 °C, baseplate
 Environment: Space

Mechanical Specifications

Size (excluding connectors): 4 x 3.6 x .88 inches
 102 x 91 x 22 mm
 Weight: 12.5 oz (354 g), nominal
 RF Connectors: SMA-Female, Removable
 DC Connector: DC Feedthroughs



Specifications subject to change without notice.