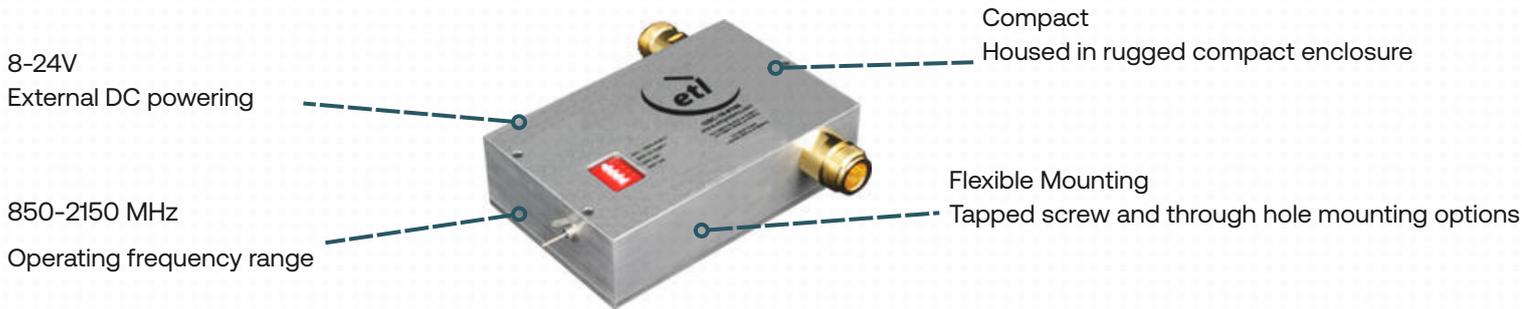




10MHz Oscillator

850-2150 MHz



RF Parameters

		S5S5
Frequency Range		850-2150 MHz
RF Connectors		50Ω SMA
Output Power (dBm)		16 ± 2
Return Loss (dB)	Typical	15
	Minimum	10

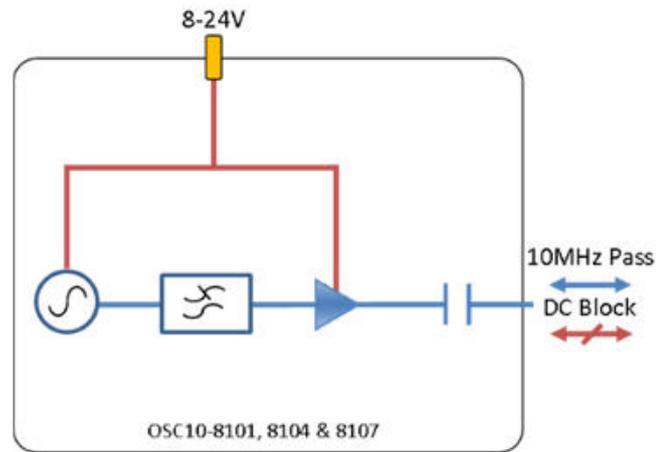
Phase Noise Characteristics (dBc/Hz)		10MHz Source Characteristics	
1Hz	<-85	Frequency Setting	10±0.000001 MHz
10Hz	<-115	Output Type	Sinewave
100Hz	<-140	Harmonic Rejection	2nd >50 dB
1000Hz	<-150		3rd >40 dB
10000Hz	<-155		4th >45 dB
			5th >60 dB

Oscillator Characteristics

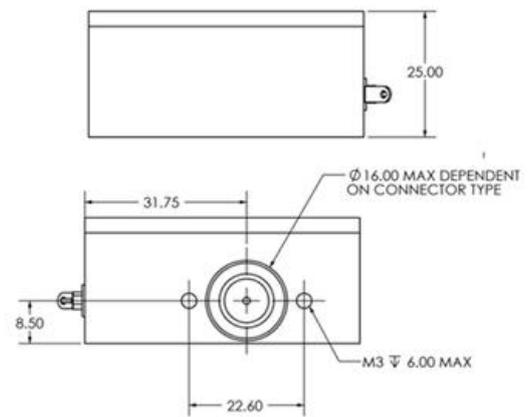
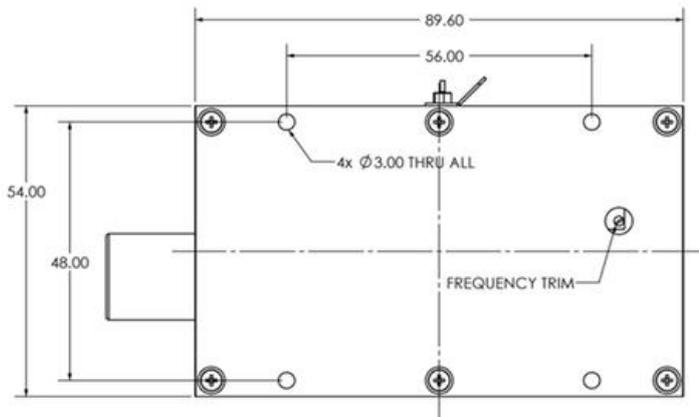
Frequency Stability	
Over temperature*	< ± 3x10 ⁻⁹
Short Term Stability (per second)	< ± 1x10 ⁻¹¹
Load change	< ± 5x10 ⁻⁹
Power Supply Variations	< ± 5x10 ⁻⁹
Stability With Aging	
Per Day	< ± 2x10 ⁻⁹
Per Year	< ± 5x10 ⁻⁷

Environmental		Max Operating Parameters	
Operating Temperature	0°C to +45°C	DC Voltage	26V on Bias Port
Storage Temperature	-20°C to +75°C	DC Consumption	1000mA on startup,
Location	Indoor use Only		400mA Steady State
Humidity	Max 85% non-condensing		
Altitude	Max 10,000 feet		

Diagram



Physical Dimensions (mm)



1*IP67 integrity is maintained by populating all ports with sufficiently rated connectors and that unused ports have IP67 terminators or dust caps when awaiting connection. Dust caps are not sold with this product.