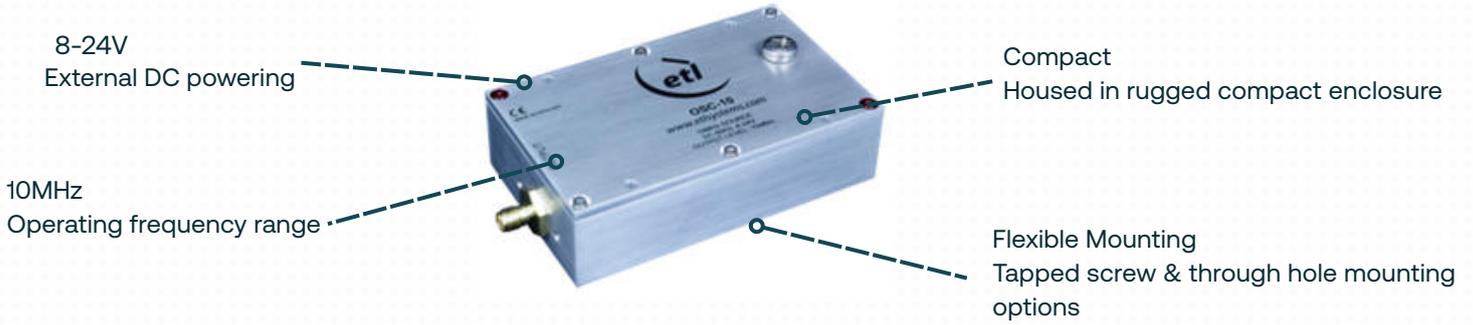




10 MHz Oscillator

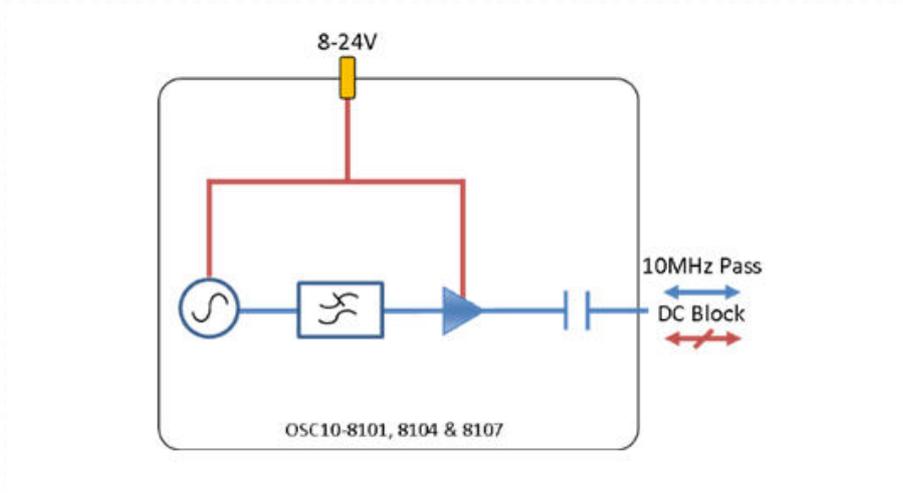


RF Parameters				
		S5S5	N5N5	F7F7
Frequency Range		10 MHz		
RF Connectors		50Ω SMA	50Ω N-Type	75Ω F-Type
Output Level (dBm)		0 ± 2.5		
Return Loss (dB)	Typical	18		15
	Minimum	10		8

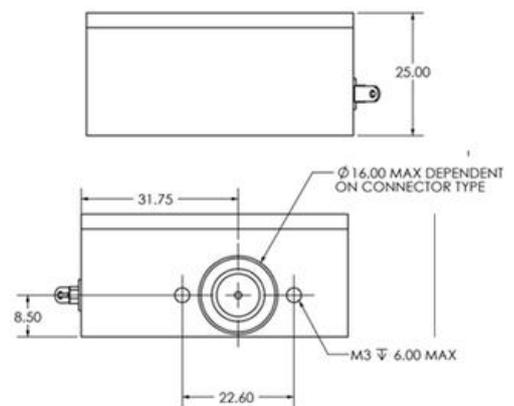
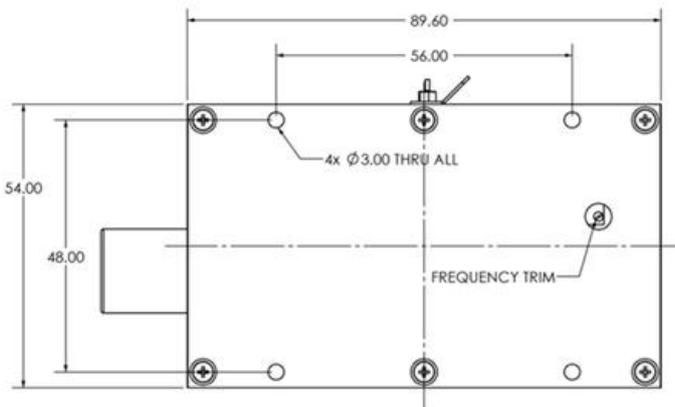
Phase Noise Characteristics (dBc/Hz)		10MHz Source Characteristics		
1Hz	<-85	Frequency Setting		10±0.000001 MHz
10Hz	<-115	Output Type		Sinewave
100Hz	<-140	Harmonic Rejection	2nd	>60 dB
1000Hz	<-150		3rd	>50 dB
10000Hz	<-155		4th	>60 dB
			5th	>60 dB

Oscillator Characteristics				
Frequency Stability				
Over temperature*		< ± 3x10 ⁻⁸		
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 +55°C	Input RF Power	+16 dBm (40mW)
Storage Temperature		-20°C to +75°C	DC Voltage	26V on Bias Port
Location		Indoor use Only	DC Consumption	1000mA on start-up
Humidity	Max	85% non-condensing		400mA Steady State
Altitude	Max	10,000 feet		

Diagram



Physical Dimensions (mm)



*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.