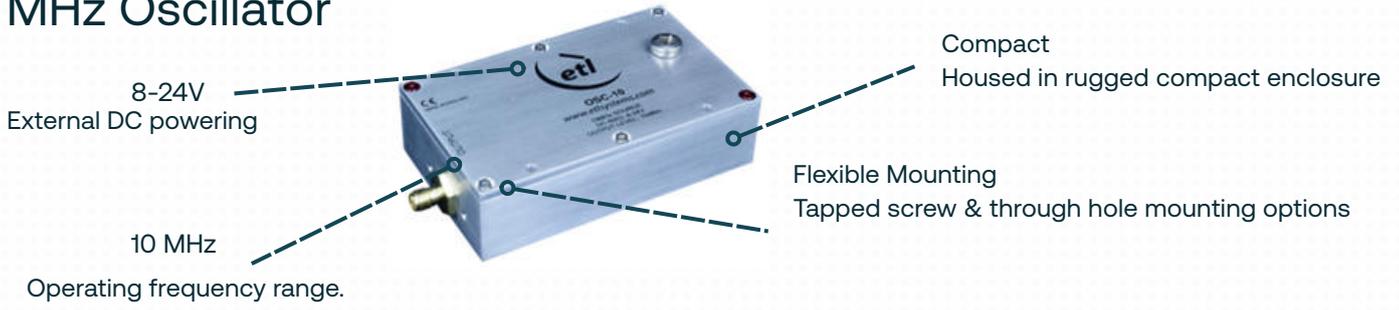
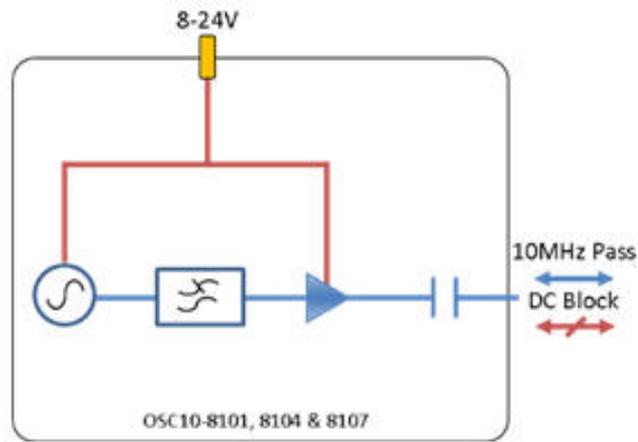


# 10 MHz Oscillator

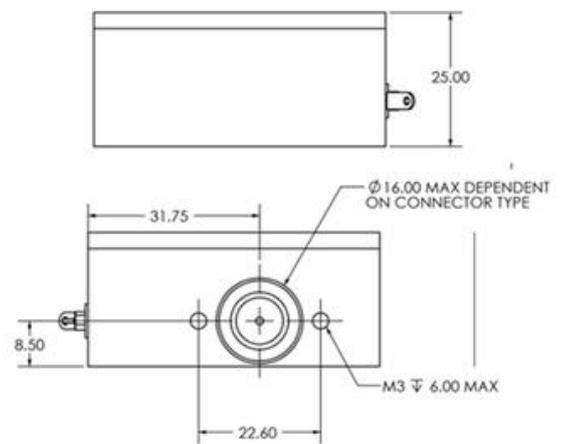
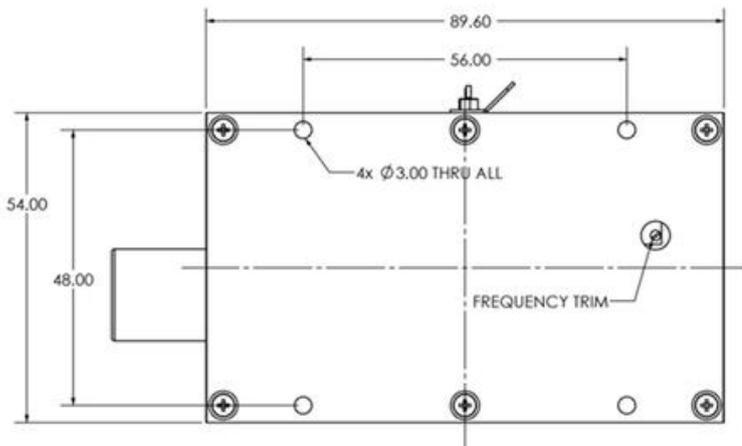


RF Parameters					
		S5S5	N5N5	B5B5	B7B7
Frequency Range		10 MHz			
RF Connectors		50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC
Output Level (dBm)		5 ± 2.5			
Return Loss (dB)	Typical	18		15	
	Minimum	10			8
Phase Noise Characteristics (dBc/Hz)			10MHz Source Characteristics		
1Hz	<-85		Frequency Setting		10±0.000001 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 <sup>-8</sup>			
Short Term Stability (per second)		< ± 1x10 <sup>-11</sup>			
Load change		< ± 5x10 <sup>-9</sup>			
Power Supply Variations		< ± 5x10 <sup>-9</sup>			
Stability With Aging					
Per Day		< ± 2x10 <sup>-9</sup>			
Per Year		< ± 5x10 <sup>-7</sup>			
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.