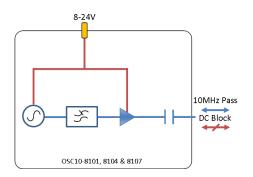


10 MHz Oscillator

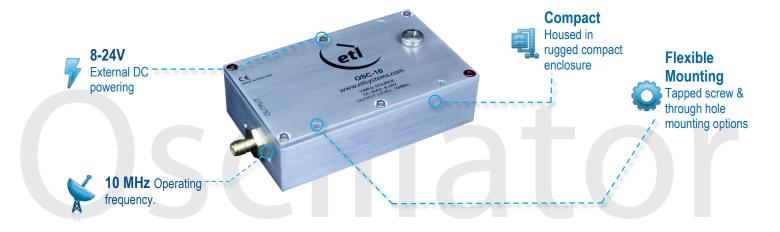


Model Number: OSC-10-8104

- 10 MHz Ovenised Reference Frequency Oscillator
- Excellent Frequency Stability vs Temperature & Time
- Output Level 10 dBm

Available with RF connector options:

- 50 Ω SMA
- 50 Ω N-type
- 50 Ω BNC
- 75 Ω BNC
- 75 Ω F-type



RF Parameters					
	S5S5	N5N5	B5B5	B7B7	F7F7
	10 MHz				
	50Ω SMA	50Ω N-Type	50Ω BNC	75Ω BNC	75Ω F-Type
	10 ± 2.5	10 ± 2.5	10 ± 2.5	10 ± 2.5	10 ± 2.5
Тур.	18	18	15	15	15
Min	10	10	10	8	8
		50Ω SMA 10 ± 2.5 Typ. 18	S5S5 N5N5 N5N5 S5S5 N5N5 S6N5N5 S6N5N5N5 S6N5N5N5 S6N5N5N5N5N5N5N5N5N5N5N5N5N5N5N5N5N5N5N5	S5S5 N5N5 B5B5 10 MHz 50Ω SMA 50Ω N-Type 50Ω BNC 10 \pm 2.5 10 \pm 2.5 Typ. 18 18 15	S5S5 N5N5 B5B5 B7B7 10 MHz 50Ω SMA $50Ω$ N-Type $50Ω$ BNC $75Ω$ BNC 10 ± 2.5 10 ± 2.5 10 ± 2.5 10 ± 2.5 Typ. 18 18 15 15











Model Number: OSC-10-8104

10 MHz Oscillator

Technical specifications and operating parameters

Phase Noise Characteristics (dBc/Hz)				
1Hz	<-85			
10Hz	<-115			
100Hz	<-140			
1000Hz	<-150			
10000Hz	<-155			

10MHz Source Characteristics				
Frequency Setting		10±0.000001 MHz		
Output Type		Sinewave		
Harmonic Rejection	2nd	>60 dB		
	3rd	>50 dB		
	4th	>60 dB		
	5th	>60 dB		

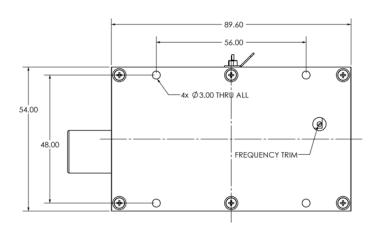
Oscillator Characteristics				
Frequency Stability				
Over temperature*	< ± 3x10 ⁻⁸			
Short Term Stability (per second)	< ± 1x10-11			
Load change	< ± 5x10 ⁻⁹			
Power Supply Variations	< ± 5x10 ⁻⁹			
Stability with Aging				
Per Day	<± 2x10 ⁻⁹			
Per Year	<± 5x10-7			

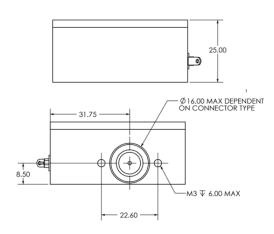
Environmental				
Operating Temperature		0°C to +55°C		
Storage Temperature		-20°C to +75°C		
Location		Indoor use Only		
Humidity	Max	85% non-condensing		
Altitude	Max	10,000 feet		

Max Operating Parameters			
Input RF Power	+16 dBm (40mW)		
DC Voltage	26V on Bias Port		
DC Current Max	N/A		
DC Consumption	1000mA on start-up, 400mA Steady State		

Operation beyond these limits may cause instantaneous and permanent damage.

Physical Dimensions (mm)





Note: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved specification accuracy.

ETL SYSTEMS LIMITED Coldwell Radio Station Madley Hereford England HR2 9NE

TELEPHONE +44 (0)1981 259020

EMAIL info@etlsystems.com

FACSIMILE +44 (0)1981 259021

WEB www.etlsystems.com









