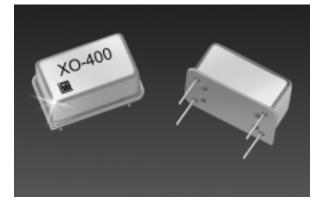
XO-400



Description:

Vectron International has introduced a series of low cost complementary PECL Crystal Oscillators (XO's) available in frequencies from 15 MHz to 250 MHz in a standard 4 pin DIP package. This series offers ultra low jitter of <0.5 ps rms from 12 kHz to 20 MHz bandwidth.

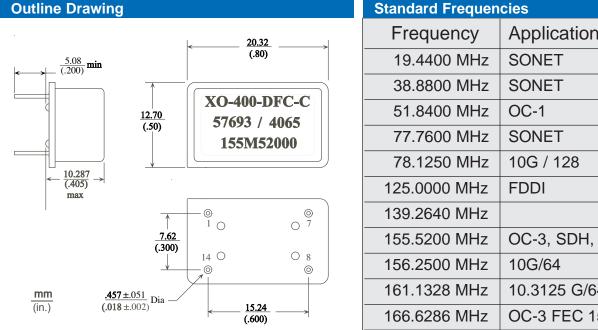
Features:

- Ultra low jitter
- 3.3 Vdc or 5 Vdc operation
- Complementary PECL output
- Standard 4 pin DIP package

Performance Characteristics

Parameter	Characteristics	
Frequencies:	15 MHz to 250 MHz	
Package Size:	20.32 x 12.70 x 10.29 mm (0.8" x 0.5" x 0.405")	
Supply Voltage:	C = 5 Vdc ±5% D = 3.3 Vdc ±5%	
Supply Current:	<80 mA	
Output Type:	Complementary PECL	
Output Level: @ +25°C	Voн ("1") = Vcc - 1.02V min. VoL ("0") = Vcc - 1.63V max	
Rise/Fall Time t _r /t _f :	<1.5 ns (20% to 80%)	
Symmetry (Duty Cycle):	50/50 ±5% @ Vcc - 1.3V for "D"; Vcc - 3V for "C"	
Internal Load:	274 ohm internal load for each output for 3.3 Vdc, 510 ohms for 5Vdc	
Temperature Stability:		
Jitter:	<0.5 ps rms from 12 kHz to 20 MHz BW @ 155.52 MHz	

XO-400



Pin Out Information		
1	Complementary output	
7	Case, Ground	
8	Output	
14	Supply Voltage (Vcc)	

Frequency	Application
19.4400 MHz	SONET
38.8800 MHz	SONET
51.8400 MHz	OC-1
77.7600 MHz	SONET
78.1250 MHz	10G / 128
125.0000 MHz	FDDI
139.2640 MHz	
155.5200 MHz	OC-3, SDH, STM1
156.2500 MHz	10G/64
161.1328 MHz	10.3125 G/64
166.6286 MHz	OC-3 FEC 15/14
167.3316 MHz	OC-3 FEC 255/237
175.0000 MHz	
177.7371 MHz	OC-3 FEC 8/7

Ordering Information

