

Helping Customers Innovate, Improve & Grow



Description

The VX-805 is a Voltage Control Crystal Oscillator that operates at the fundamental frequency of the internal crystal. The crystal is a high-Q quartz device that enables the circuit to achieve low phase noise jitter performance over a wide operating temperature range. The VX-805 is housed in an industry standard hermetically sealed LCC package and is available in tape and reel.

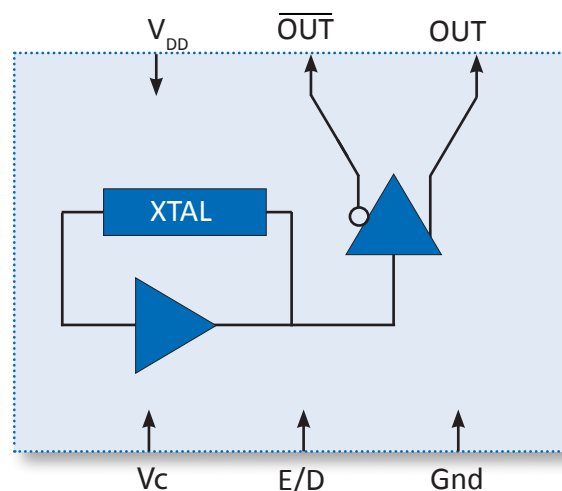
Features

- LVPECL output VCXO
- Output Frequencies from 100 MHz to 204.8 MHz
- 3.3 V Operation
- Fundamental Crystal Design with Low Jitter Performance
- Output Disable Feature
- Excellent ± 20 ppm Temperature Stability,
- 0/70°C, -40/85°C or -40/105°C Operating Temperature
- Small Industry Standard 5.0 x 3.2mm Package
- Product is free of lead and compliant to EC RoHS Directive

Applications

- LTE
- SONET/SDH/DWDM
- Ethernet, SyncE, GE
- xDSL, PCMIA
- Digital Video
- Broadband Access
- Base Stations, Picocells
- Test and Measurement

Block Diagram



Outline Drawing & Pad Layout

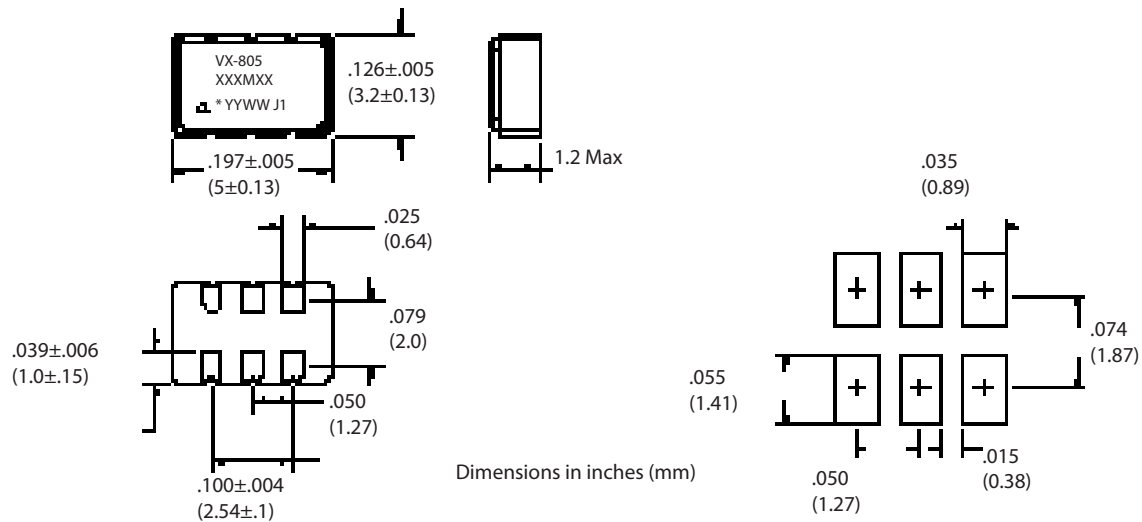


Figure 5. Outline Drawing and Pad Layout

Table 6. Pin Out

Pin	Symbol	Function
1	V_C	VCXO Control Voltage
2	E/D	Enable Disable **See Ordering Options**
3	GND	Case and Electrical Ground
4	Output	Output
5	COutput	Complementary Output
6	V_{DD}	Power Supply Voltage

Tape & Reel (EIA-481-2-A)

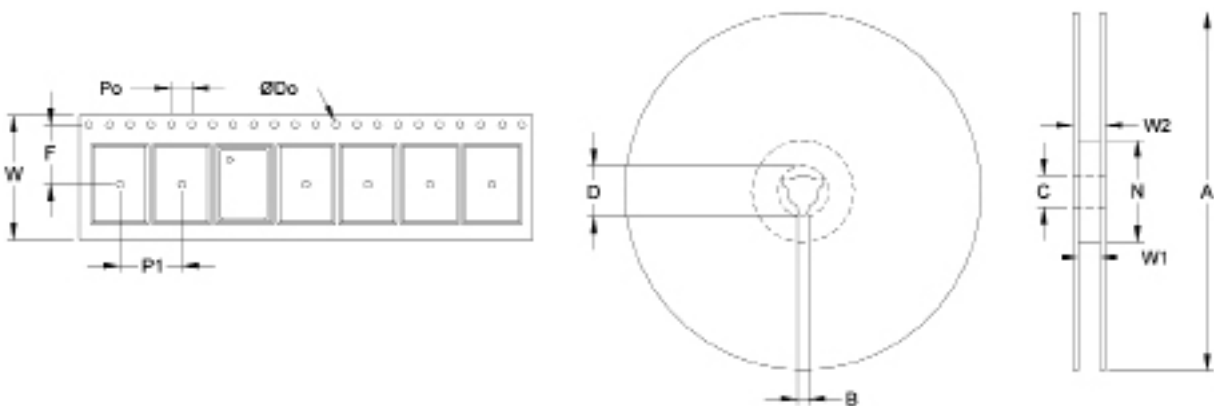


Figure 6. Tape and Reel Drawing

Table 7. Tape and Reel Information

Tape Dimensions (mm)						Reel Dimensions (mm)							# Per Reel
Dimension	W	F	Do	Po	P1	A	B	C	D	N	W1	W2	
Tolerance	Typ	Typ	Typ	Typ	Typ	Typ	Min	Typ	Min	Min	Typ	Max	
VX-805	16	5.5	1.5	4	8	178	1.78	13	20.6	55	12.4	22.4	500