

7.5 mm x 5.0 mm VCXO V85E series

Description:

The V85E Voltage-controlled Crystal Oscillator (VCXO) Series products provide multiple options for operating temperature ranges and frequency stability; 3.3 or 5.0 volt supply; +/- 100 ppm minimum pull; and operation to 200 MHz in a small SMD footprint (7.5 x 5.0mm).



Features:

- Available in frequencies from 1.500 MHz to 200 MHz
- Hermetically sealed ceramic SMD package
- TTL/HCMOS compatible
- RoHS-6/Leadfree compliant

Frequency Range

Frequency
1.5 to 200.0 MHz

Operating Temperature

Operating Temperature	Product Code
-10 to +60C	A
0 to +70C	B
-20 to 70C	C
-40 to 85C	D

Frequency Stability:

Freq. Stability	Product Code
+/- 25 ppm	A
+/- 50 ppm	B

** Note: Not all combinations of options available.

Aging: (typical at 100 MHz after 30 days continuous operation)

Frequency	Timeframe	Aging	Product Code
100 MHz	1st Year	+/- 5.0ppm	N/A

Supply Voltage (Vs):

Power Supply (Vs)	3.3 Vdc +/-10%	5.0 Vdc +/-10%
Product Code	C	D

Frequency versus Voltage:

3.3 volt		5.0 volt	
0 to 3.3v on Pin 1	Product Code	0.5v to 4.5v on Pin1	Product Code
+/-100 ppm min	N/A	+/-100 ppm min	N/A

Current Consumption (I_{DD}):

	I _{DD} (at 3.3V)	I _{DD} (at 5.0V)
Frequency Range (MHz)	mA	mA
1.500 to 19.999	10	15
20.000 to 49.999	20	30
50.000 to 79.999	30	35
80.000 to 159.999	40	N/A
160.000 to 200.000	50	N/A

Environmental:

Storage Temperature	-55 to +125 °C
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Output Waveform:

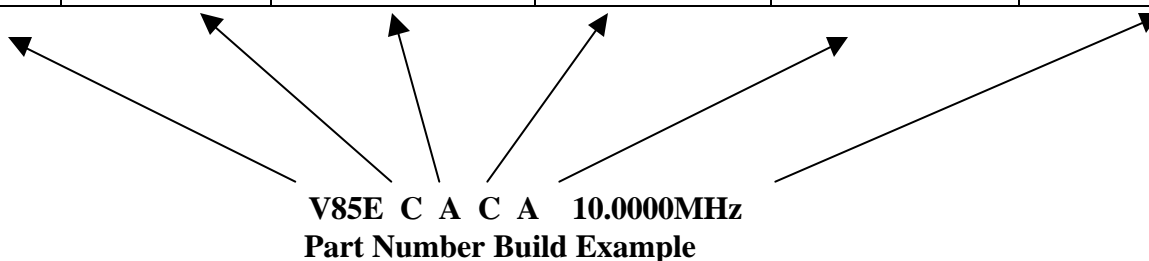
		Min	Typical	Max
Output Symmetry	At 50% V _{DD}	45%	50%	55%
Rise Time (nS)	T _r	3	5	10
Fall Time (nS)	T _f	3	5	10
Output Voltage	V _{OH}	90% V _{DD}		
	V _{OL}			10% V _{DD}

Output Load Choices:

Output Load (pF)	Product Code
15	A
50	B

Ordering Options:

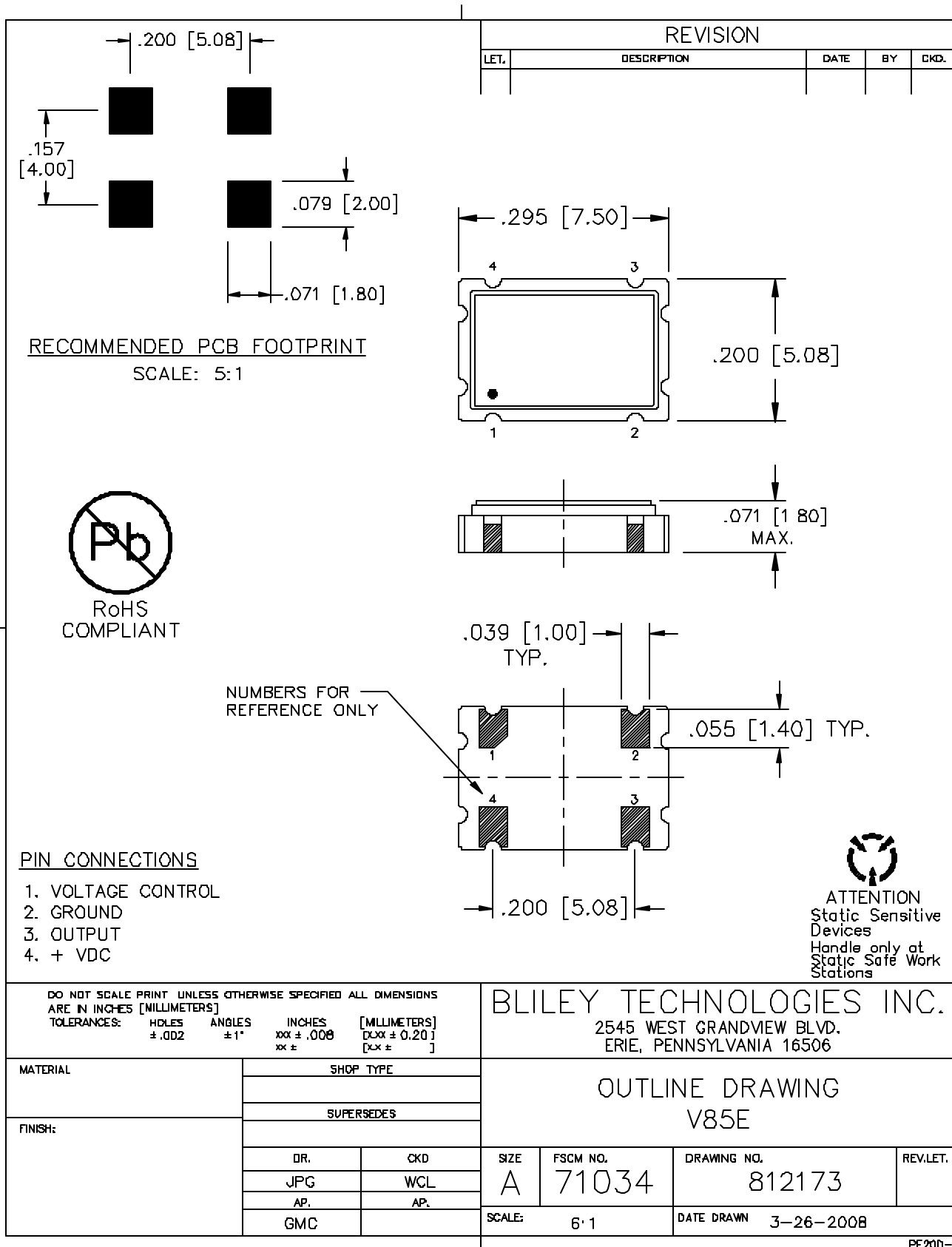
Product Family	Operating Temperature	Frequency Stability	Supply Voltage	Output Load	Operating Frequency
V85E	A	A	C	A	XXX.XXXX MHz
V85E	B	B	D	B	XXX.XXXX MHz
V85E	C				XXX.XXXX MHz
V85E	D				XXX.XXXX MHz



****Consult Bliley sales if other options required**

**** Not all combinations of operating frequency and supply voltage are available.**

RoHs compliant; -20 to 70C; +/- 25 ppm with a 3.3 volt supply; 15 pF output load +/- 100 ppm min pull, and 10 MHz nominal operating frequency.



How to Order This Product:

Contact Bliley Technologies with Product Selection Code from Ordering Options Section above.

Attn:

Sales @ Bliley

Fax: **814-833-2712**

Phone: 814-838-3571

Email: info@bliley.com

Web: www.bliley.com

Date: _____

From:

Name: _____ Company: _____

Fax: _____ Phone: _____

Email: _____

Quantities to Quote: _____ Target Price: \$_____

Application / Reference #: _____