

OH300-EVAL

Eval Board Quick Start Guide

2111 Comprehensive Drive
Aurora, Illinois 60505
Phone: 630-851-4722
Fax: 630-851-5040
www.conwin.com

QUICK START GUIDE



General Instructions

1. Insert the OH300 unit into the eval board socket
 - Pin 1 of the OH300 should be oriented to the lower left of the fixture in the view above.
 - Close the clam-shell cover until it clicks.
2. Connect power
 - Connect the wired Vcc banana plug from TP3/TP4 to the appropriate 3.3V or 5V power supply capable of supplying ~ 1.2A of current.
 - Do not use the J5 "VCC" BNC for the power connection.
3. Connect output:
 - For CMOS outputs, connect the "CMOS OUT" BNC J6 to an oscilloscope or frequency counter input. Use a high impedance probe if possible.
 - For Sinewave outputs, connect the "RF OUT" BNC J9 using a coaxial cable to a 50ohm scope or frequency counter input.
4. Connect voltage control:
 - For OH300-series parts with voltage control (VCOCXO) option, connect J10 "CV IN" BNC to the appropriate +1.65Vdc or +2.5Vdc supply.

Designator/Label	Input/Output	Voltage/Logic Type	Function
TP3/TP4 "Vcc/Gnd"	Input	+3.3V or +5V	Eval Board Power via wire
J5 "VCC Shielded"	Input	+3.3V or +5V	Do not use (use hard wired Vcc connection with banana plug instead of this BNC)
J6 "CMOS OUT"	Output	CMOS	Buffered CMOS output
J8 "VREF"	Input	N/C	Do not use
J9 "RF OUT"	Output	Sinewave	Sinewave Output
J10 "CV IN"	Input	+1.65 or +2.5Vdc	Control Voltage Input

