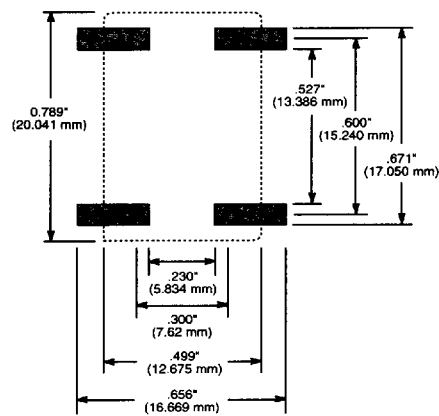


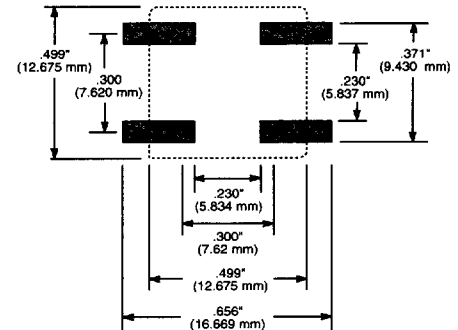
**VF150G Series,
VF75G Series,
VF250G Series, and
VF150-CG Series Gull Wing
TTL Hybrid Crystal Clock
Oscillators**

Valpey-Fisher offers all the features of full and half-size, dual output and enable/disable TTL oscillators in surface mount packages. The leads on standard 14 pin full size and 8 pin half size packages can be formed in a gull wing configuration to allow the user to get all the specifications available only in the full range of Valpey-Fisher's TTL through-hole oscillators in a holder compatible with surface mount board assembly techniques. See the pages in this catalog on the VF150, VF75, VF250 and VF150-C and C1 series oscillators for their complete specifications.

Recommended Solder Pad Layout



Full Size

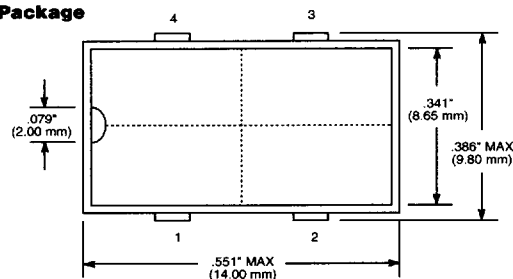


Half Size

**VF315T and VF315PT
Enable/Disable Series Miniature
Surface Mount Hybrid Crystal
Clock Oscillators**

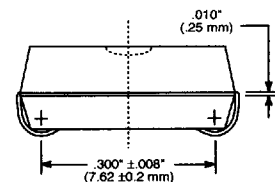
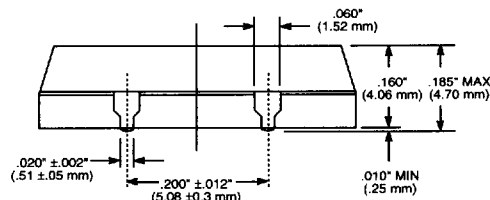
Valpey-Fisher's VF315T and VF315PT (enable/disable) series hybrid crystal clock oscillators are true surface mount devices in a molded plastic miniature package. They combine proven circuit design with the latest packaging techniques to accommodate both automated assembly techniques and minimum use of board space. In addition, they are available on tape and reel.

Package



Pin Connections

#1 E/D or N.C. #3 Output
#2 GND #4 +5 VDC

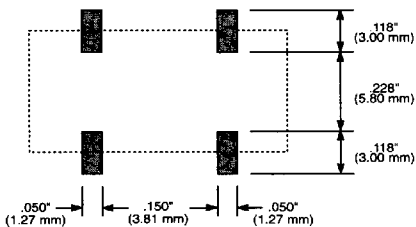


VF315T and VF315PT (continued)

Specifications

Frequency Range	26.0 MHz to 36.0 MHz
Output: Symmetry	60/40 to 40/60% @ 1.4V
Rise & Fall Times	Rise: 10ns max (TTL load 0.4V to 2.4V) fall 8ns max.
Output Voltage • V_{OH} • V_{OL}	2.4V min. 0.4V max.
Frequency Stability • -10°C to +70°C • -40°C to +85°C	.01% (100 ppm) .02% (200 ppm)
Input Voltage	5.0 VDC $\pm$ 10%
Temperature Range • Operating • Storage	-40°C to +85°C -55°C to +125°C
Soldering Condition	Under 260°C within 10 sec., 2X or less Under 230°C within 3 min.
Electrical Connections	Pin#1 NC Pin#3 Out Pin#2GND Pin#4V _{DD}

Recommended Solder Pad Layout



Pocket Tape & Reel Specifications

