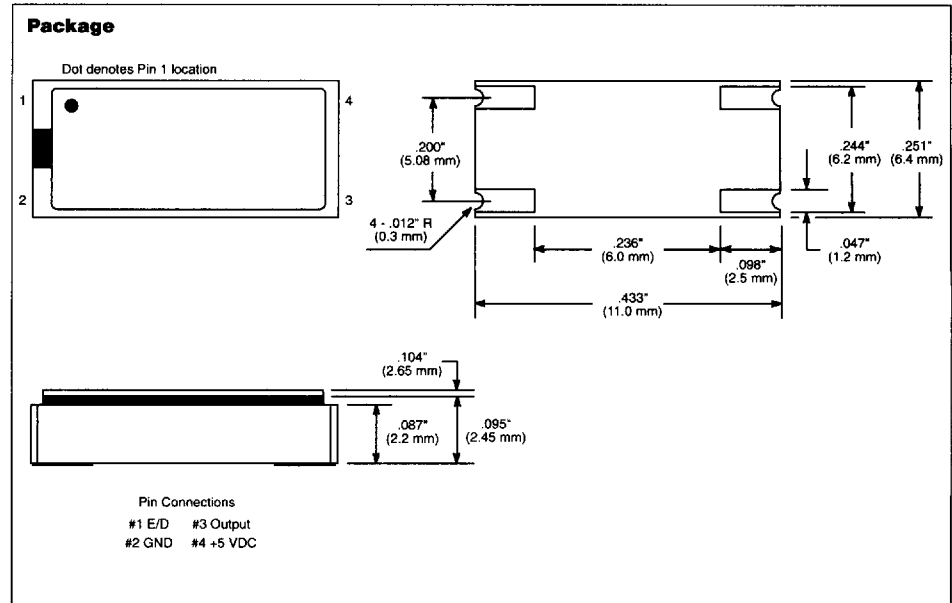
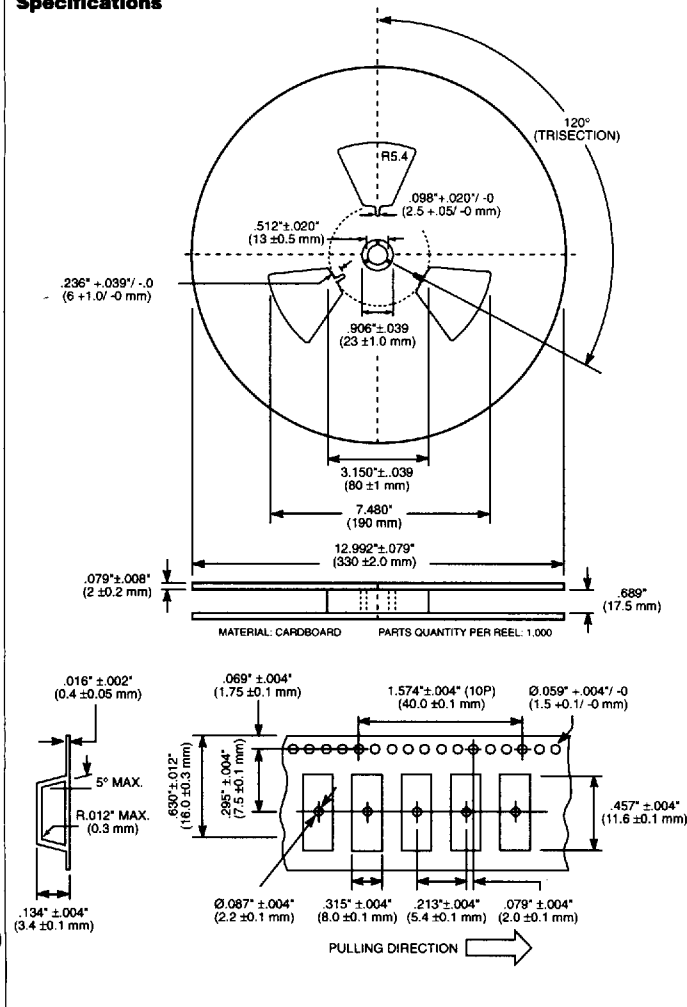


VFB1H Series Sub-Miniature Surface Mount Tri-State HCMOS/TTL Compatible Hybrid Crystal Clock Oscillator

Valpey-Fisher's VFB1H series of ceramic packaged sub-miniature tri-state HCMOS/TTL crystal clock oscillators use even less board space than molded plastic oscillators but are still compatible with established miniature solder pad configurations. In fact, turned 90 degrees they are directly interchangeable on a printed circuit board with Valpey-Fisher's VF315 and VF315P enable/disable series of oscillators. Their small size makes them ideal for applications in compact, portable devices.



Pocket Tape & Reel Specifications



VF B1H Electrical Characteristics

Frequency Range	1.8432 MHz to 50.000MHz	
Frequency Stability	± 100 ppm Max.	
Temperature Range	Operating	-10°C to +70°C
	Storage	-55°C to +125°C
Power Supply Voltage	+5.0±0.5 VDC	
Input Current	1.8432 to 25MHz	20mA Max.
	25.000 to 50MHz	45mA Max.
	50.000 to 70MHz	60mA Max.
Output	Waveform	HCMOS
	"0" Level	0.5V Max.
	"1" Level	4.5V Min.
	Symmetry	45/55 to 40/60% Max.
	Rise/Fall	7nS Max.
	Load	10LSTTL / 15pf
Startup Time	10mS Max.	
Enable/Disable Input Current	"0" Level $V_{IL}=0.8V$	400µA Max.
	"1" Level $V_{IH}=2.2V$	400µA Max.
Output Enable/Disable Time	100nS Max.	