



Valpey-Fisher Dual Output Hybrid Crystal Clock Oscillator

Valpey-Fisher's state-of-the-art dual output hybrid oscillators are available with two *related* output frequencies driven by a common crystal. TTL, CMOS and HCMOS IC technologies may be specified for the common crystal oscillators. In addition, output of two *independent* frequencies is available with HCMOS circuitry. The independent output and high speed make the design ideal for applications in which two microprocessors are running at separate clock rates. All types are housed in hermetic, rugged, resistance-welded metal cans. Pin 7 case grounding provides RF radiation shielding, and the low package profile and minimal footprint assure efficient use of board space. Normal wave soldering assembly techniques can be used, and surface mount options are available.

Since these dual output oscillators are available with the same circuitry as Valpey-Fisher standard single output oscillators, the specifications for circuit type listed in the Valpey-Fisher's User's Guide apply. See the table below for page numbers.

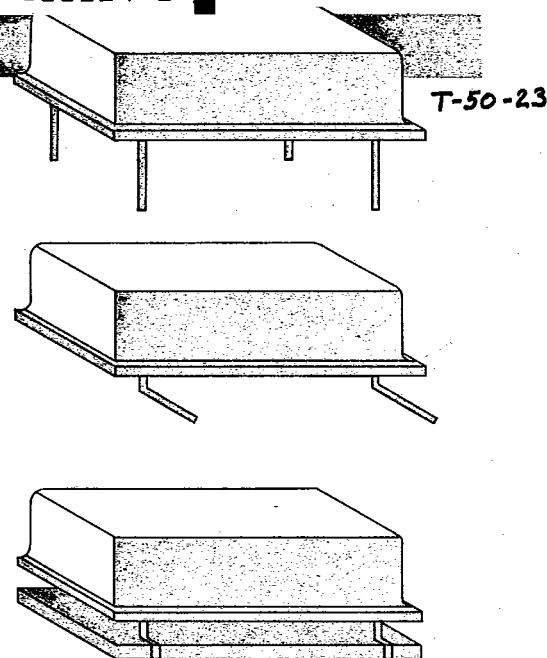
FEATURES

- Choice of Dependent or Independent Frequencies
- Choice of TTL, ECL, CMOS, or HCMOS
- Resistance Welded Hermeticity
- Rugged, Small Metal Package
- Proven Quality
- Choice of Mounting Styles
- Through Hole, Gull Wing, or Leadless Surface Mount

HOW TO ORDER

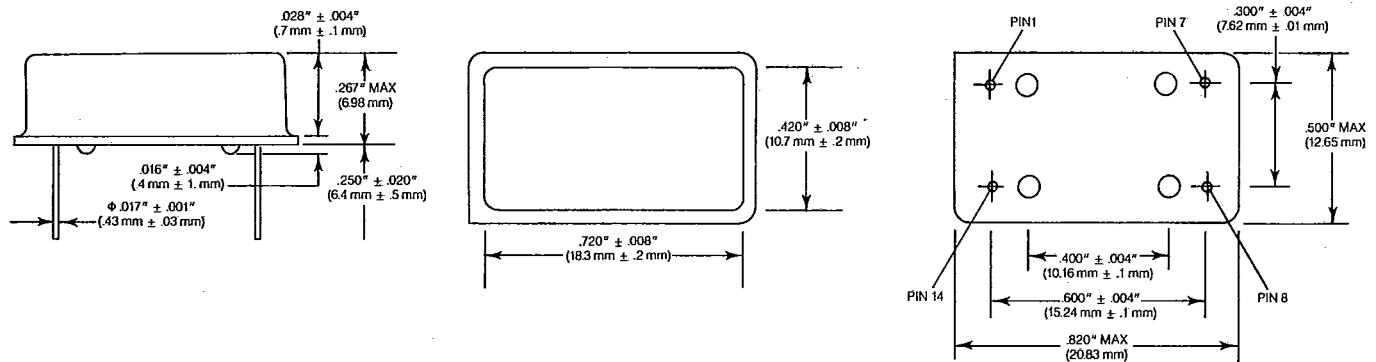
IC Type	PART NUMBER			User Guide Page No. for Specifications*
	Output Frequency Relationship			
	Dependent		Independent	
TTL	Through Hole	VF250	NA	p 13, Use VF150 Data
	Gull Wing	VF250G		
	Leadless	VF250L		
CMOS	Through Hole	VF270	NA	p 14, Use VF170 Data
	Gull Wing	VF270G		
	Leadless	VF270L		
HCMOS	Through Hole	VFHS270	VFHS271	p 15, Use VFHS170
	Gull Wing	VFHS270G	VFHS271G	
	Leadless	VFHS270L	VFHS271L	

* To determine the correct part number using the stability vs. operating temperature range table, use only the 0°C – +70°C column and add the appropriate letter suffix to the dual output oscillator part number. For example, the part number suffix for the .25% stability version of the single output HCMOS VFHS170 (found on page 15) is "D". The part number suffix for the independent frequency dual output HCMOS VFHS271 is likewise "D".

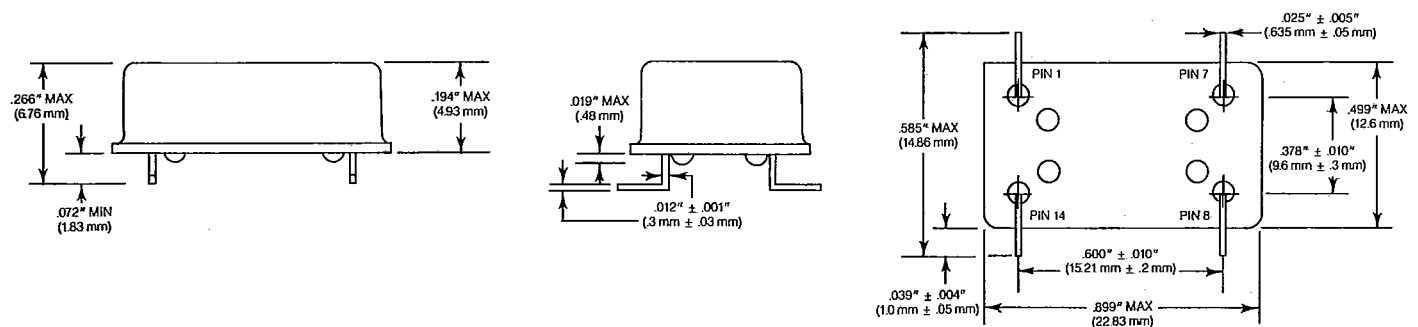


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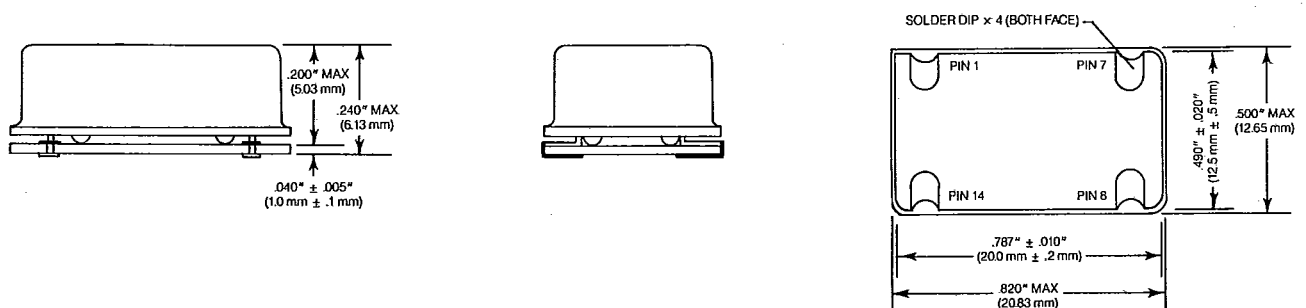
THROUGH HOLE MOUNT



GULL WING MOUNT



LEADLESS MOUNT



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