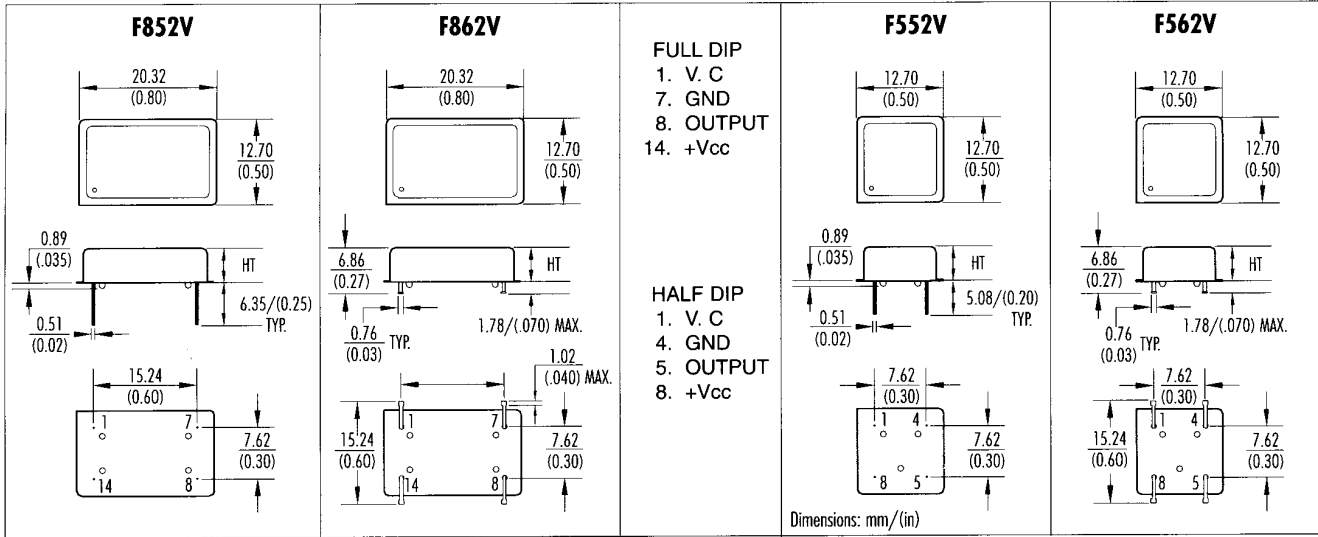


VCXO

VOLTAGE CONTROLLED CRYSTAL OSCILLATORS



FULL DIP
 1. V. C
 7. GND
 8. OUTPUT
 14. +Vcc

HALF DIP
 1. V. C
 4. GND
 5. OUTPUT
 8. +Vcc

SPECIFICATIONS	HCNOS/TTL	TTL	CMOS
1. FREQUENCY STABILITY	± 100 ppm, ± 50 ppm, ± 25 ppm Consult factory for custom requirements		
2. OPERATING TEMP.	0°C to +70°C Consult factory for extended temperature range		
3. STORAGE TEMP.	-55°C to 125°C		
4. RISE & FALL TIME	3 nS to 9 nS Frequency and logic dependent		
5. SYMMETRY	60 - 40% at VDD ÷ 2 Typ. 55 - 45% at 1.4V Typ.	60 - 40% at 1.4V Typ.	60 - 40% at VDD ÷ 2 Typ. 55 - 45% at 1.4V Typ.
6. "0" LEVEL	0.5V max	0.4V max	0.5V max
7. "1" LEVEL	2.4V min, Vcc -0.5V Typ.	2.4V min	Vcc -0.5V min
8. INPUT VOLTAGE	+5.0 V DC ± 0.5V, 3.3 V DC ± 0.4V		
9. INPUT CURRENT	10 mA to 50 mA	15 mA to 50 mA	6 mA to 20 mA
10. OUTPUT LOAD	1 to 10 TTL or 15 PF to 50 PF	1 to 10 TTL 1 to 10 LSTTL	15 PF to 50 PF
11. CONTROL VOLTAGE	2.5V ± 2.0V (Vcc = 5V)		1.5V ± 1.0V (Vcc = 3V)

PART NUMBER — ORDERING METHOD

FILTRONETICS CLOCK OSCILLATOR MODELS	OUTPUT LOGIC	SUPPLY VOLTAGE OPTIONS	TEMPERATURE STABILITY	PULLABILITY OPTIONS	FREQUENCY RANGE
F852V F862V F552V F562V HT: .20" to .265", varies with frequency, consult factory	H: HCMOS C: CMOS T: TTL	5: 5.0 V DC 3: 3.3 V DC *: Custom	100: ± 100 ppm 050: ± 50 ppm 025: ± 25 ppm *: Custom	A: ± 15 ppm B: ± 25 ppm C: ± 50 ppm D: ± 75 ppm E: ± 100 ppm F: ± 150 ppm G: ± 200 ppm *: Custom	* 1 KHz to 155.52 MHz * Consult factory for custom needs

F852V	H	—	5	100	A	—	20 MHz
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EXAMPLE:

F852VH-5100A-20MHz

FILTRONETICS INC.

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