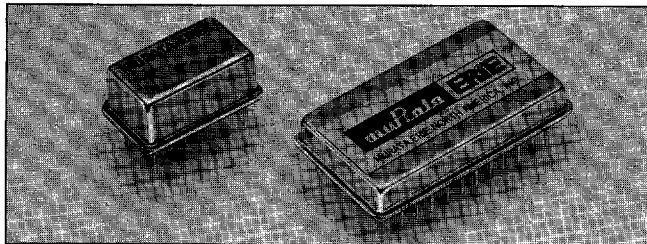


VCXO MINIATURE HYBRID

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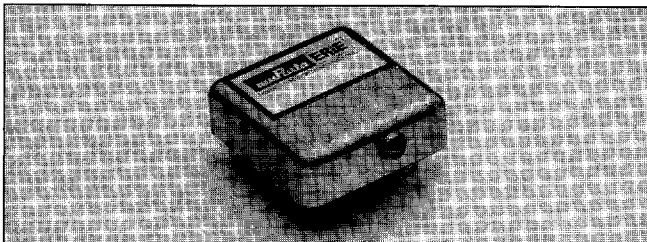
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SPECIFICATIONS

MODEL	VH2330□□	VH2340□□	VH235□□□
Features	High frequency crystal	High frequency crystal	24-pin package allows higher frequency operation
Frequency Range	15MHz to 60MHz	15MHz to 60MHz	20MHz to 160MHz
Input Voltage & Current	A Std. (+5VDC) @ 20mA Typ.	H Std. (-5.2VDC) @ 35mA Typ.	H Std. (-5.2VDC) @ 60mA Max.
Output Type	H Std. ("HC" CMOS)	E Std. (ECL "10kH")	E Std. (ECL "10kH")
Control Voltage and Freq. vs. Voltage Slope	0.5V to 4.5V Positive	0V to -5.0V Negative	0 ± 5.0V Positive
AFC Input Impedance	10KΩ Min.	10KΩ Min.	10KΩ Min.
Linearity	±20%	±20%	±20%
Model	Deviation ±100ppm Temp. Stability ±25ppm	Deviation ±100ppm Temp. Stability ±25ppm	Model VH2350 ±100ppm VH2351 ±250ppm VH2352 ±500ppm Temp. Stability ±25ppm ±50ppm ±100ppm
Temp. Range	0°C to 70°C	0°C to 70°C	0°C to 70°C
Figure	1	1	2

VCXO STANDARD



SPECIFICATIONS

MODEL	VO230□□□	VO231□□□	VO232□□□
Features	Standard VCXO	Wide deviation; Good linearity	High frequency VCXO
Frequency Range	500KHz to 25MHz	1MHz to 25MHz	25MHz to 125MHz
Input Voltage & Current	D Std. (+12VDC) @ 25mA Max.	D Std. (+12VDC) @ 30mA Max.	D Std. (+12VDC) @ 50mA Max.
Output Type	H Std. ("HC" CMOS)	H Std. ("HC" CMOS)	K Std. (+7dBm) (Harmonics and Subharmonics < -20dBc)
Control Voltage and Freq. vs. Voltage Slope	0 ± 5V Negative	0 ± 5V Negative	0 ± 5V Negative
AFC Input Impedance	10KΩ Nom.	10KΩ Nom.	1KΩ Nom.
Linearity	±10%	±2%	±2%
Model	Deviation VO2300 ±100ppm VO2301 ±200ppm VO2302 ±300ppm Temp. Stability ±20ppm ±25ppm	Model VO2310 ±250ppm VO2311 ±500ppm VO2312 ±1000ppm Temp. Stability ±50ppm ±50ppm ±100ppm	Model VO2320 ±100ppm VO2321 ±250ppm VO2322 ±500ppm VO2323 ±1000ppm Temp. Stability ±25ppm ±50ppm ±50ppm ±100ppm
Temp. Range	0°C to 70°C	0°C to 70°C	0°C to 70°C
Figure	1	2	3

VH2340

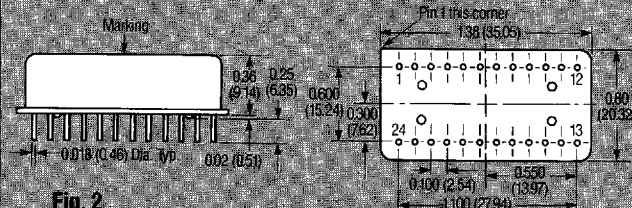
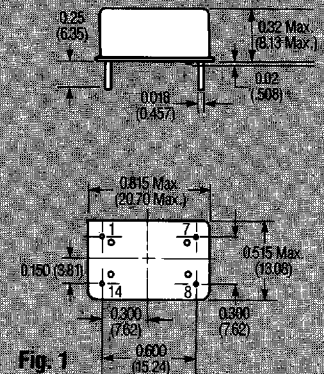
PIN	FUNCTION
1	Voltage Control Input
7	V _{as} (-5.2V)
8	Output
14	Case & Circuit Ground

VH2330

PIN	FUNCTION
1	Voltage Control Input
7	Case & Circuit Ground
8	Output
14	V _{cc}

VH2350, 51, 52

PIN	FUNCTION
1	Voltage Control Input
12	V _{as} (-5.2V)
13	Output
24	Case & Circuit Ground



Dimensions: in. (mm)

Fig. 1

Fig. 2

Fig. 3

Dimensions: in. (mm)