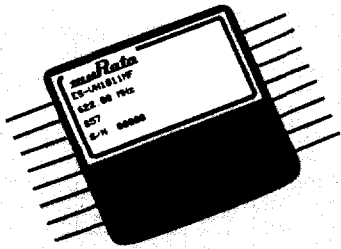


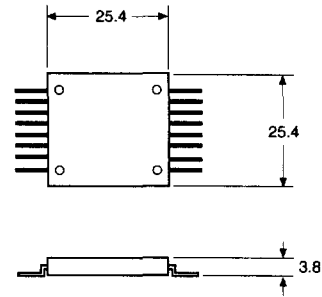
OSCILLATORS  
CRYSTAL OSCILLATORS  
SONET CRYSTAL OSCILLATORS



**SPECIFICATIONS**

MODEL	VH1011
Center Frequency	150MHz to 650MHz
Deviation	±40 ppm min.
Control Voltage (AFC)	0 to -5v Negative Slope
AFC Input Impedance	10kΩ min.
Tuning Voltage Sensitivity (Kv)	20 ppm/volt to 30 ppm/volt
Stability	±15 ppm
Aging	Less than 1ppm/year
Output Level	Complementary ECL
Power Requirement	-5.0 volts @ 60 mA
Operating Temperature	0°C to +85°C

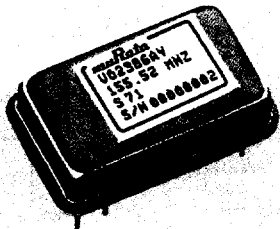
**VH1011**



PIN	FUNCTION
1	Tuning Voltage
2-7	Ground
8, 9	V <sub>EE</sub>
10, 11	Ground
12	ECL Output
13	Ground
14	ECL Output Complement
15	Ground
16	Ground

Dimensions: mm

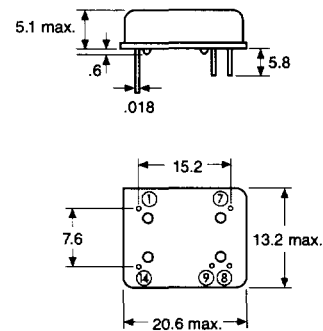
OSCILLATORS  
CRYSTAL OSCILLATORS  
VCXO



**SPECIFICATIONS**

MODEL	V02386AV
Features	Designed for Sonet Standard STS/OC-3
Frequency Range	10MHz to 155.52MHz
Input Voltage & Current	5V @ 64mA Nominal
Output Type	PECL Complementary Outputs: Output Skew: 100ps max.
Control Voltage and Freq. vs. Voltage Slope	0 to 5V Positive
AFC Input Impedance	50kΩ min.
Linearity	±25 to 50ppm/volt
Deviation	±60 to ±115ppm
Temperature Stability	±20ppm
Temperature Range	0°C to +85°C

**V02386**



PIN	FUNCTION
1	V <sub>c</sub> , Control Voltage
7	Ground, Case/Ground
8	Q <sub>1</sub> Output Signal
9	Q <sub>2</sub> Complementary Output Signal
14	V <sub>cc</sub>

Dimensions: mm