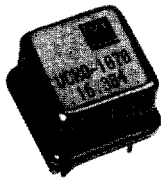


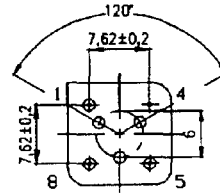
Packaged Crystal VCXOs

VCXO-1070



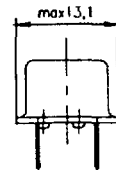
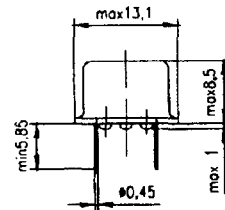
Features

- DIL-8 standard-VCXO
- 2.0MHz to 30MHz
- -20°C to +70°C
- HCMOS output



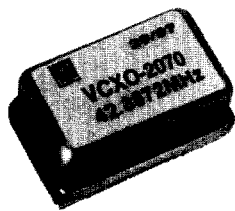
Pin configuration

1. Control voltage U_c
4. Ground, case
5. RF-output
8. Supply voltage U_B



Note: Dimensions in mm

VCXO-2070 VCXO-4085



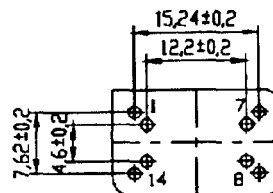
Features

VCXO-2070

- DIL-14 standard-VCXO
- 100kHz to 51.84MHz
- -20°C to +70°C
- HCMOS output

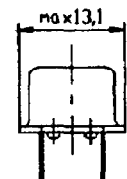
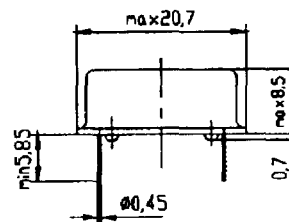
VCXO-4085

- DIL-14 standard-VCXO
- 100kHz to 38.88MHz
- -40°C to +85°C
- HCMOS output



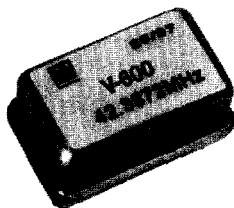
Pin configuration

1. Control voltage U_c
7. Ground, case
8. RF-output
14. Supply voltage U_B



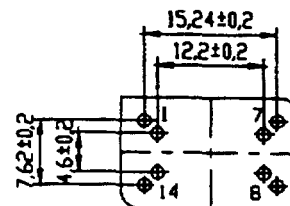
Note: Dimensions in mm

V-600



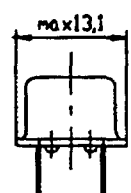
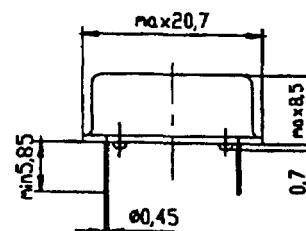
Features

- High frequency standard VCXO
- DIL-14
- 44.736MHz to 155.52 MHz
- -20°C to +70°C



Pin configuration

1. Control voltage U_c
7. Ground, case
8. RF-output
14. Supply voltage U_B



Note: Dimensions in mm

Packaged Crystal VCXOs

SPECIFICATIONS

	VCXO-1070	VCXO-2070 / 4085	V-600H/V-600P
Nominal frequency:	2 MHz to 30 MHz	100 KHz to 51.84 MHz	44.736 MHz to 155.52 MHz
Nominal frequency tolerance, T=25±3°C and U _c = 2.5V:	<±10 ppm	<±10 ppm	<±10 ppm
Frequency stability in the temperature range -20°C to + 70°C in the temperature range -40°C to + 85°C vs. supply voltage changes U _B ± 5%: vs. load changes:	<±10 ppm <±5 ppm <±5 ppm (1 to 10 HCMOS)	<±10 ppm <±5 ppm <±2 ppm (1 to 10 HCMOS)	<±15 ppm <±5 ppm <±2 ppm <±0.5 ppm (5% load factor)
Aging:	±5 ppm/first year ±2 ppm following years	±5 ppm/first year ±2 ppm following years	±5 ppm/first year ±2 ppm following years
Frequency control range:	≥±100 ppm	≥±100 ppm	≥±100 ppm
Control voltage U _c :	0.5V to 4.5 V	0.5V to 4.5 V	0.5V to 4.5 V
Transfer function/Linearity:	positive / 10%	positive / 10%	positive / 15%
Supply voltage U _B :	5 V ±5%	5 V ±5%	5 V ±5%
Current consumption with load 1 kOhm // 15pF:	≤25 mA	≤25 mA (f<40 MHz) ≤30 mA (f>40 MHz)	≤40 mA ≤70 mA
Output voltage: load: duty cycle: rise time, fall time:	HCMOS Low <1.0 V; High > 4.0V 1 kOhm // 15pF 40/60% 8 ns	HCMOS Low <1.0 V; High > 4.0V 1 kOhm // 15pF 40/60% 8 ns (f<40 MHz) 5 ns (f>40 MHz)	HCMOS PECL 100Kcomps 1 kOhm // 15pF 50 Ohm 40/60% 40/60%
Frequency modulation:			
Temperature ranges Operating: Operable: Storage:	-20°C to + 70°C -25°C to + 75°C -40°C to + 85°C	-20°C to + 70°C -40°C to + 85°C -25°C to + 75°C -45°C to + 85°C -40°C to + 85°C -55°C to + 105°C	-20°C to + 70°C -25°C to + 75°C -40°C to + 85°C