

1. Specification

Specification:	V-600H	V-600P
Standard Frequencies:	44.736; 51.84; 54.00; 61.44; 68.736; 77.76 MHz	44.736; 51.84; 54.00; 61.44; 68.736; 77.76; 139.264; 155.52 MHz
Nominal frequency tolerance, $U_C = 2.5$ V, $T = 25 \pm 3^\circ\text{C}$:	$< \pm 10$ ppm	
Frequency stability in the temperature range -20°C to $+70^\circ\text{C}$: vs. supply voltage changes $U_B \pm 5\%$: vs. load changes $\pm 5\%$:	$< \pm 15$ ppm $< \pm 3$ ppm $< \pm 2$ ppm	$< \pm 15$ ppm $< \pm 1$ ppm $< \pm 0.5$ ppm
Aging @ 25°C :	$< \pm 5$ ppm first year / $< \pm 2$ ppm fol. years	
Frequency control range / control voltage:	$\geq \pm 100$ ppm / 0.5 V to 4.5 V	
Transfer function / Linearity:	positive / 15 %	
Supply voltage U_B :	5 V $\pm 5\%$	
Current consumption:	≤ 40 mA	≤ 50 mA
Output voltage : load : duty cycle :	HCMOS 1 kOhm // 15 pF 40 / 60 %	PECL 100k comp. 50 Ohm 40 / 60%
Temperature ranges Operating: Operable: Storage:	$-20^\circ\text{C} \dots +70^\circ\text{C}$ $-25^\circ\text{C} \dots +75^\circ\text{C}$ $-40^\circ\text{C} \dots +85^\circ\text{C}$	

2. Environmental conditions

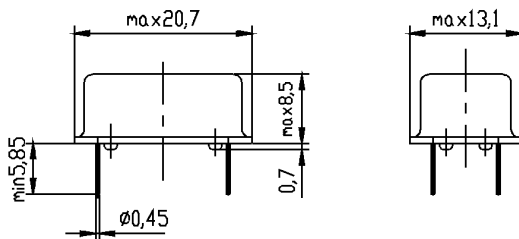
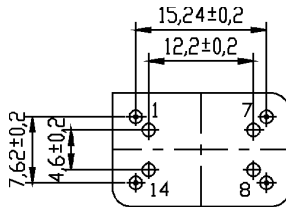
Shock:	DIN IEC 68-2-27, Test Ea, 100 g, 6ms Half-sine, 3 bumps in 3 main directions
Vibration:	DIN IEC 68-2-6, Test Fc, 10-500Hz, 10g, 2 h in 3 main directions
Humidity:	DIN IEC 68-2-3, $40^\circ\text{C}/93\%\text{RH}$, 21 days
Solderability:	DIN IEC 68-2-20 only for wire leads, Methode 3: Solder globule at $+235^\circ\text{C}$

3. Marking

Manufacturer's name, date code(week/year); Specification; Center frequency

4. Case

Case style: BF-100

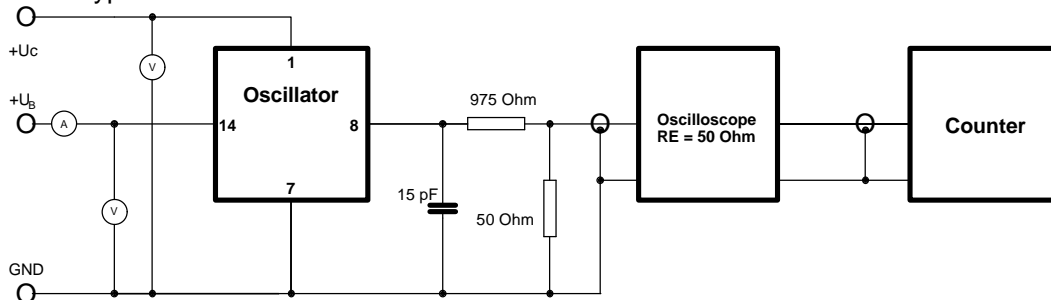


1. Pin configuration

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

5. Test circuit

HCMOS Type H :



PECL Type P:

