

## 1. Specification

Nominal Frequency: @ $V_C = 1.5V$ , $T = 25^\circ C \pm 5^\circ C$ :	622,08MHz
Nominal frequency tolerance	$< \pm 10$ ppm
Frequency stability in the temperature range $0^\circ C$ to $+70^\circ C$ : in the temperature range $-25^\circ C$ to $+85^\circ C$ vs. supply voltage changes $UB \pm 3\%$ : vs. load changes $\pm 5\%$ :	$< \pm 20$ ppm $< \pm 30$ ppm $< \pm 3$ ppm $< \pm 1$ ppm
Aging @ $25^\circ C$ :	$< \pm 5$ ppm / first year $< \pm 2$ ppm / year in the following years
Frequency control range:	$\geq \pm 80$ ppm, $\leq \pm 120$ ppm
Control voltage $V_C$ :	0 V to 3,0 V
Control input impedance:	$> 20$ kOhm
Transfer function / Linearity:	positive / 10%
Supply voltage $U_B$ :	$3,3 V \pm 5\%$
Current consumption:	$\leq 80$ mA
Output voltage : load :	sinewave 1Vpp ... 2Vpp 50 Ohm
Frequency modulation:	3dB cut-off frequency $> 3$ kHz
Jitter @ $10 Hz < f < 1MHz$	$< 80$ ps peak to peak
Harmonics Subharmonics	$> 15$ dBc $> 40$ dBc
Temperature ranges Operating: Storage:	$-25^\circ C \dots +85^\circ C$ $-40^\circ C \dots +85^\circ C$

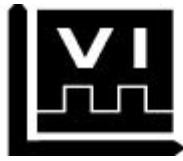
## 2. Environmental conditions

According to KVG Product Qualification Procedure AA-QM-200

## 3. Marking

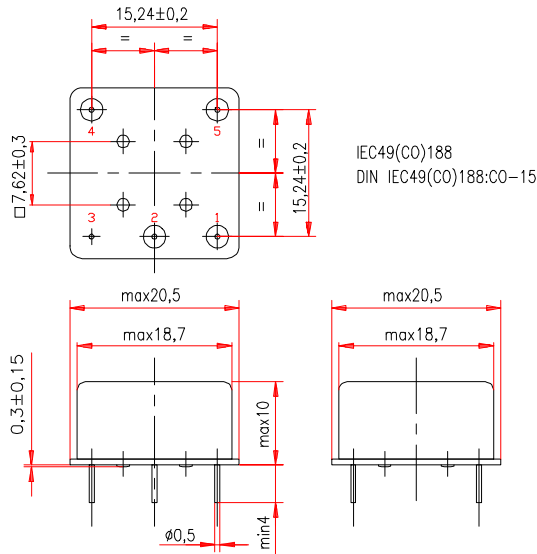
Manufacturer's name, date code(week/year)  
Specification  
Center frequency

4				Vectron International GmbH <b>P.O.Box 61</b> <b>D-74924 Neckarbischofsheim</b> Tel. +49 (0) 7263 / 648-0 Fax. +49 (0) 7263 / 6196
3				
2	Test-circuit	26.02.99	H.-J. Herzog	
1		13.02.98	W.Balzer	
ED	Description	Date	Name	



## 4. Case

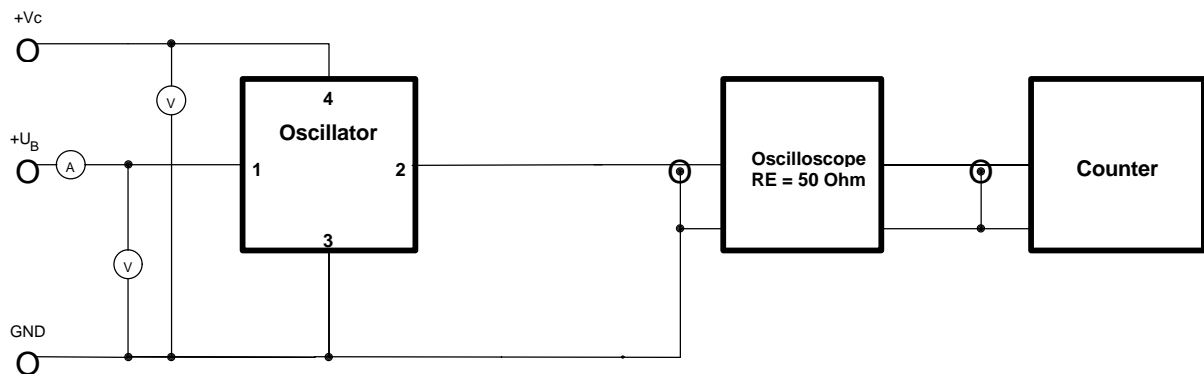
### Case style: BF 144



### 1.Pin configuration

1. Supply voltage
2. HF-output
3. Ground, case
4. Control voltage Vc
5. Ground, case

## 5. Test circuit



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