



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 $U_B \pm 3\%$: 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:	$\leq 80mA$
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:	$-25^{\circ}C \dots +85^{\circ}C$ $-40^{\circ}C \dots +85^{\circ}C$

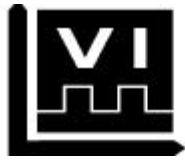
2. Environmental conditions

According to KVG Product Qualification Procedure AA-QM-200

3. Marking

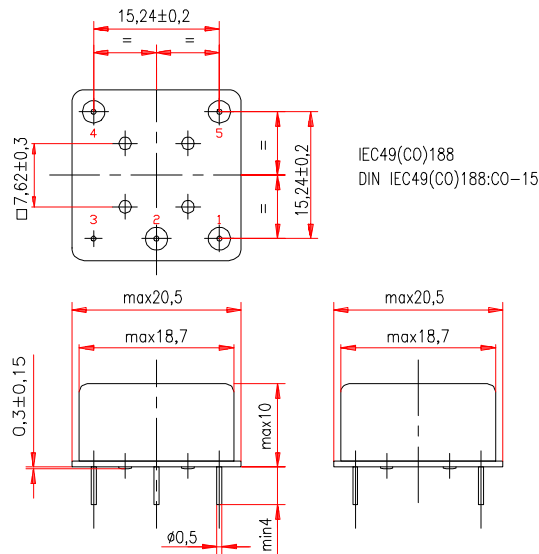
Manufacturer's name, date code(week/year)
Specification
Center frequency

4				Vectron International GmbH P.O.Box 61 D-74924 Neckarbischofsheim 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

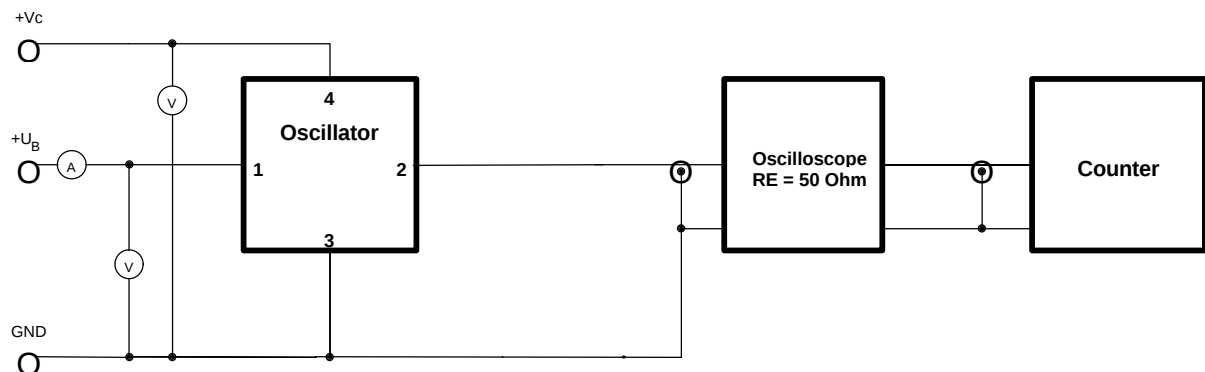
Case style: BF 144



1.Pin configuration

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

5. Test circuit



4				Vectron International GmbH P.O.Box 61 D-74924 Neckarbischofsheim 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	