



# XO-4085 Series

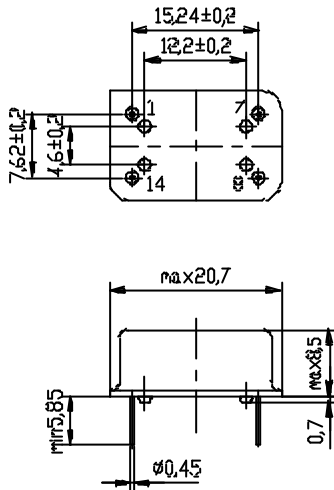


1. Specification	
Nominal Frequency:	10 kHz to 100 MHz
Nominal frequency tolerance, T = 25 ± 3°C:	< ± 10 ppm
Frequency stability in the temperature range - 40°C to + 85°C: vs. supply voltage changes UB ± 5 %: vs. load changes: (1 to 10 HCMOS and f < 40 MHz) (1 to 5 HCMOS and f > 40 MHz)	< ± 20 ppm < ± 3 ppm < ± 2 ppm
Aging:	± 5 ppm / first year ± 2 ppm following years
Supply voltage UB:	5 V ± 5 %
Current consumption with load 1 kOhm // 15 pF f < 40 MHz: f > 40 MHz:	≤ 25 mA ≤ 30 mA
Output voltage : load : load with Option A for f < 26 MHz: duty cycle : rise time, fall time for f < 40 MHz: rise time, fall time for f > 40 MHz:	HCMOS Low < 1.0 V; High > 4.0 V 1 kOhm // 15 pF 1 kOhm // 50 pF 40 / 60 % 8 ns 5 ns
Temperature ranges Operating: Operable: Storage:	-40°C ... + 85°C -45°C ... + 85°C -55°C ... + 105°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				KVG Quartz Crystal Technology GmbH P.O.Box 61 D-74924 Neckarbischofsheim Tel. +49 (0) 7263 / 648-0 Fax. +49 (0) 7263 / 6196
3				
2	Aging ± 2ppm following years	26.11.96	H.-J. Herzog	
1	XO-4085	01.03.94	H. Albrecht	
ED	Description	Date	Name	

## 4. Case

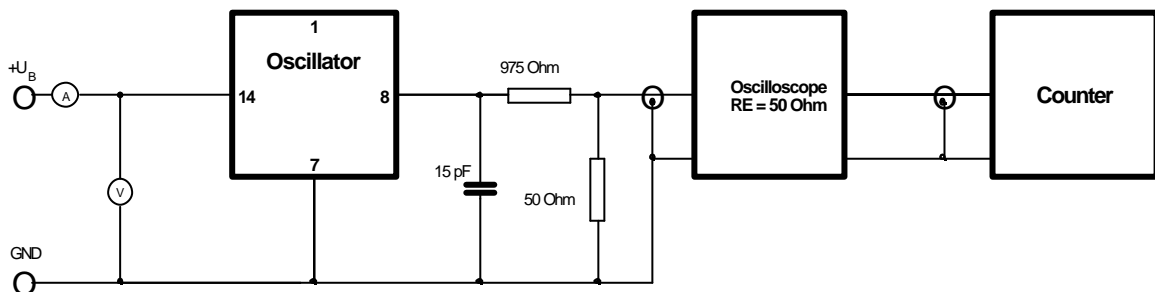
### Case style: BF-100



### 1. Pin configuration

1. N.C.
7. Ground, case
8. RF-output
14. Supply voltage

## 5. Test circuit



4				KVG Quartz Crystal Technology GmbH
3				P.O.Box 61
2	Aging $\pm 2$ ppm following years	26.11.96	H.-J. Herzog	D-74924 Neckarbischofsheim
1	XO-4085	01.03.94	H. Albrecht	Tel. +49 (0) 7263 / 648-0
ED	Description	Date	Name	Fax. +49 (0) 7263 / 6196