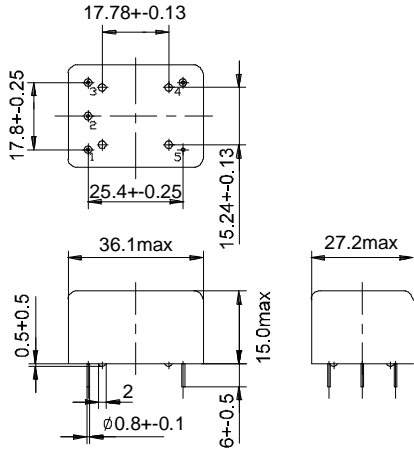




OCXO-S36

BF 160



1. Pin-Out

1. Pulling voltage input, Potentiometer
2. Reference-voltage output, U_{ref} , Potentiometer
3. Supply voltage U_B
4. RF-output
5. Ground, case, potentiometer

2. Specification

2.1 Frequency	10 MHz
2.2 Frequency stability versus:	
temperature, $T = -20^{\circ}\text{C} \dots +70^{\circ}\text{C}$	$\pm 1 * 10^{-7}$
$U_B = 10 \text{ V} \pm 10\%$	$\pm 5 * 10^{-9}$
load change $\pm 5\%$	$\pm 5 * 10^{-9}$
2.3 Long term stability	
aging after 30 days of continuous operation	$\pm 5 * 10^{-9} / \text{day}$
2.4 Supply voltage U_B	$+10\text{V} \pm 10\%$
2.5 Current consumption	$\leq 120 \text{ mA}$ at -20°C $\leq 80 \text{ mA}$ at $+25^{\circ}\text{C}$ $\leq 180 \text{ mA}$ during warm-up
2.6 Warm-up time	$< 7 \text{ min}$ at -20°C $< 3 \text{ min}$ at $+25^{\circ}\text{C}$
2.7 Output voltage	HCMOS, low $< 0.4 \text{ V}$, high $> 4.0 \text{ V}$
Load	2 TTL or 10 HCMOS
Duty cycle	40% ... 60%
2.8 Frequency correction	$\geq \pm 3 \text{ ppm}$ with external potentiometer
2.9 Operating temperature range	$-20^{\circ}\text{C} \dots +70^{\circ}\text{C}$
2.10 Operable temperature range	$-20^{\circ}\text{C} \dots +75^{\circ}\text{C}$
2.11 Storage temperature range	$-55^{\circ}\text{C} \dots +90^{\circ}\text{C}$

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				P.O.B. 61
				74922 Neckarbischofsheim
1	10 MHz OCXO, 10V, OCXO-S36, Art.Nr.:67356	03 08.95	M.Dienert	Tel. 07263 /6480 Fax.: 07263/6196
ED	Description	Date	Name	Sheet 1 of 2



OCXO-S36

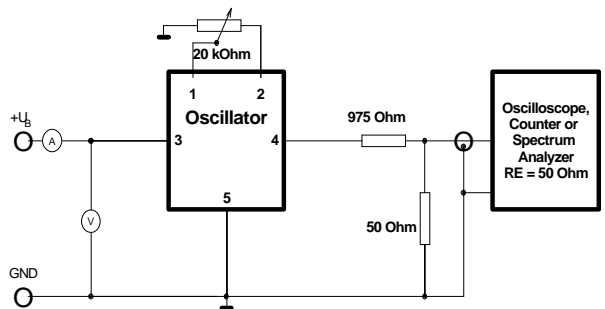
3. Environmental conditions

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

4. Marking

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

5. Test circuit



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