

XO-710

1. Specification

Nominal Frequency Range:	35MHz - 100MHz; 100MHz - 250MHz; 300MHz		
	XO 711	XO 712	XO 713
Frequency stability in the temperature range	-40°C...+80°C ≤ ± 15 ppm	-20°C...+70°C ≤ ± 10 ppm	0°C...+50°C ≤ ± 7 ppm
vs. supply voltage changes $U_B \pm 5\%$: vs. load changes $\pm 5\%$:	≤ ± 3 ppm ≤ ± 1 ppm		
Aging:	≤ ± 2 ppm / year at 25°C		
Frequency correction:	± 5 ppm by internal trimmer (35MHz to 100MHz) ± 3 ppm by internal coil (100MHz to 250 MHz)		
Supply voltage U_B :	5V ± 5%		
Current consumption:	≤ 25 mA		
Output voltage : load :	Sinewave 0.8Vpp ± 0.2Vpp 50 Ohm, ECL-compatible		
Harmonic suppression	min. 26 dB f < 150MHz min. 18 dB f > 150MHz		
Spurious response	> 60dB		
Temperature ranges Operating: Operable:	-40°C...+80°C -45°C...+85°C	-20°C...+70°C -20°C...+75°C	0°C...+50°C -10°C...+60°C
Storage:	-55°C...+105°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°C/93%RH, 21 days
Solderability:	DIN IEC 68-2-20 only for wire leads, Methode 3: Solder globule at + 235°C



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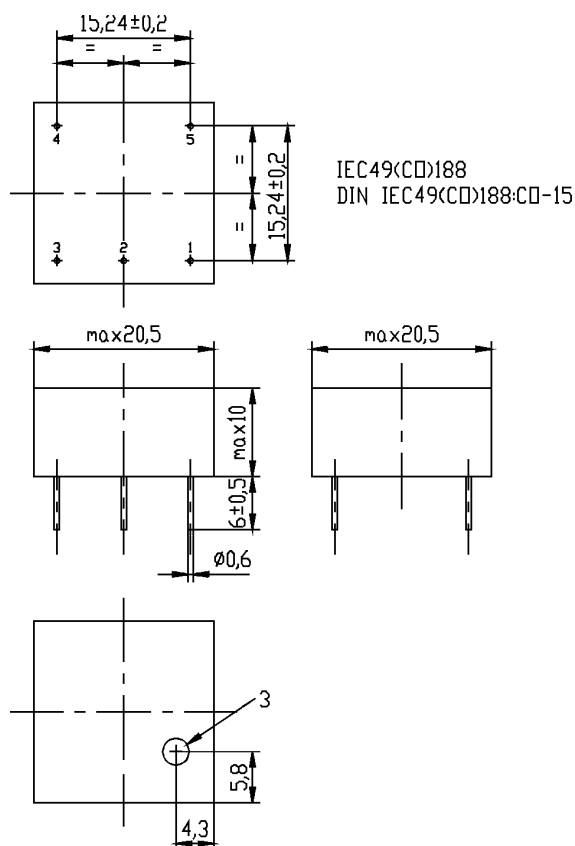
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3. Marking

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

4. Case

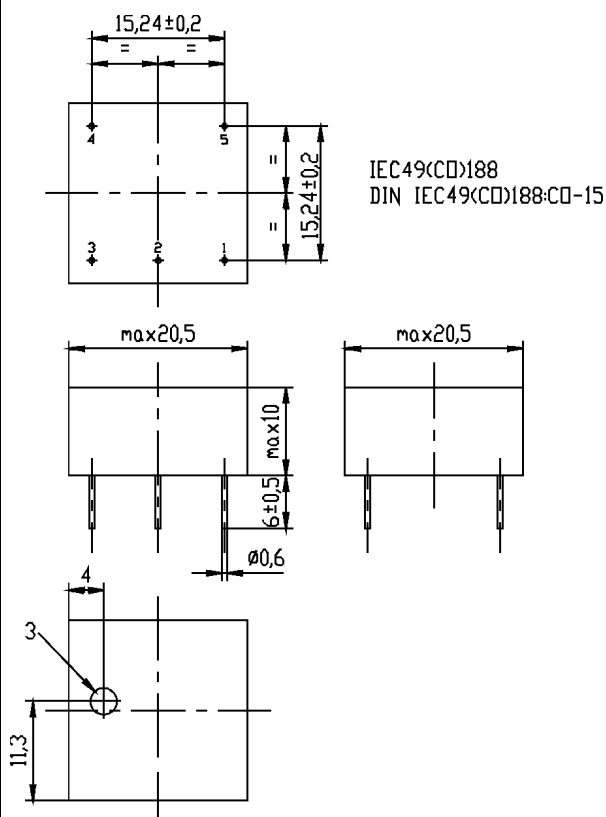
Case style: BF 85 (35MHz - 100MHz)



Pin configuration

1. Supply voltage
2. RF-output
3. Ground, case
4. N.C.
5. N.C.

Case style: BF 92 (100MHz - 250MHz)



Pin configuration

1. Supply voltage
2. RF-output
3. Ground, case
4. N.C.
5. N.C.



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