



# TCXO-F200 Series

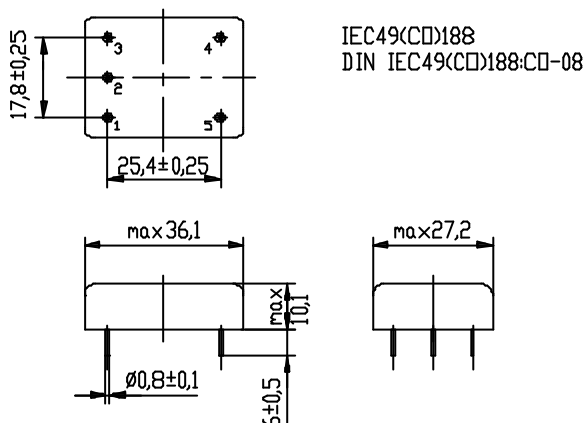


1. Specification						
Type:	<b>F201</b>	<b>F221</b>	<b>F211</b>	<b>F202</b>	<b>F222</b>	<b>F212</b>
Frequency range:	5 ... 35 MHz		3 kHz-35MHz	5 ... 35 MHz		3 kHz-35MHz
Frequency stability vs. temp. - 20°C . + 70°C:	< ± 1 ppm			< ± 2 ppm		
Frequency stability vs. supply changes $U_B \pm 5\%$ : vs. load changes $\pm 5\%$ :	< ± 1x10 <sup>-7</sup> < ± 1x10 <sup>-7</sup>					
Aging :	± 1 ppm / year					
Frequency correction: Option C: Option U:	± 5 ppm by external trimmer 20 kOhm ± 5 ppm by internal trimmer ± 5 ppm by ext. voltage 0 ... 1 V					
Supply voltage $U_B$ :	5 V ± 5 %					
Max. current consumption f < 20 MHz: f > 20 MHz:	8 mA 10 mA	8 mA 10 mA	15 mA 20 mA	8 mA 10 mA	8 mA 10 mA	15 mA 20 mA
Output voltage : level min: High; Low voltage: load : duty cycle:	Sinus 3V <sub>pp</sub> - 500 Ω -	Sinus 0dBm - 50 Ω -	HCMOS 4; 0.4V 40/60%	Sinus 3V <sub>pp</sub> - 500 Ω -	Sinus 0dBm - 50 Ω -	HCMOS 4; 0.4V 40/60%
Temperature ranges Operating: Operable: Storage:	-20°C ... + 70°C -25°C ... + 75°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						

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1	TCXO-F200 series	09.07.96	H.-J. Herzog	
ED	Description	Date	Name	

## 4. Case

### Case style: BF-9



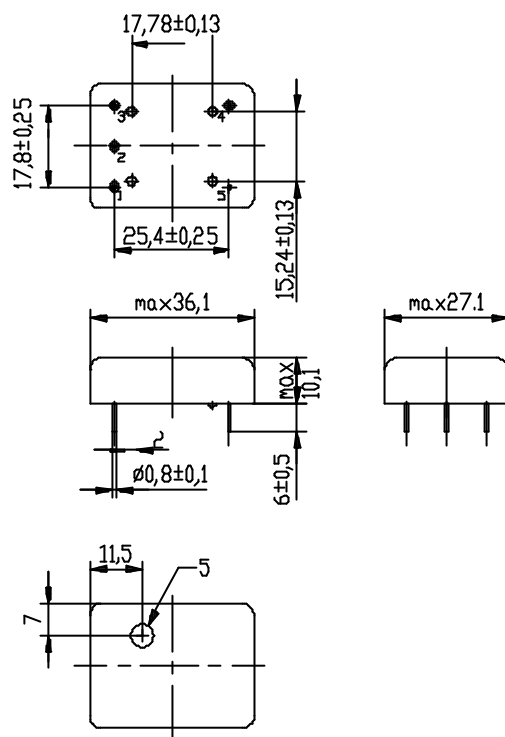
### 1.Pin configuration

1. Trimmer, SL
2. Trimmer, CW
3. Supply voltage  $U_B$
4. RF-output
5. Ground, case, trimmer

### Option U

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

### Case style: BF-79IS



### Option C

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

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