



TCXO-F100 Series

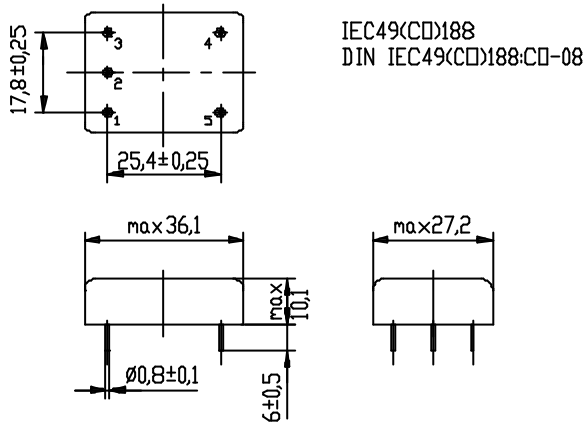


1. Specification						
Type:	F101	F121	F111	F102	F122	F112
Frequency range:	5 ... 35 MHz		3 kHz-35MHz	5 ... 35 MHz		3 kHz-35MHz
Frequency stability vs. temp. - 40°C . + 80°C:	< ± 2 ppm			< ± 3 ppm		
Frequency stability vs. supply changes $U_B \pm 5\%$: vs. load changes $\pm 5\%$:	< ± 1x10 ⁻⁷ < ± 1x10 ⁻⁷					
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 _{pp} - 500 Ω -	Sinus 0dBm - 50 Ω -	HCMOS 4; 0.4V - 40/60%	Sinus 3V _{pp} - 500 Ω -	Sinus 0dBm - 50 Ω -	HCMOS 4; 0.4V - 40/60%
Temperature ranges Operating: Operable: Storage:	-40°C ... + 80°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				
1	TCXO-F100 series	09.07.96	H.-J. Herzog	
ED	Description	Date	Name	

4. Case

Case style: BF-9



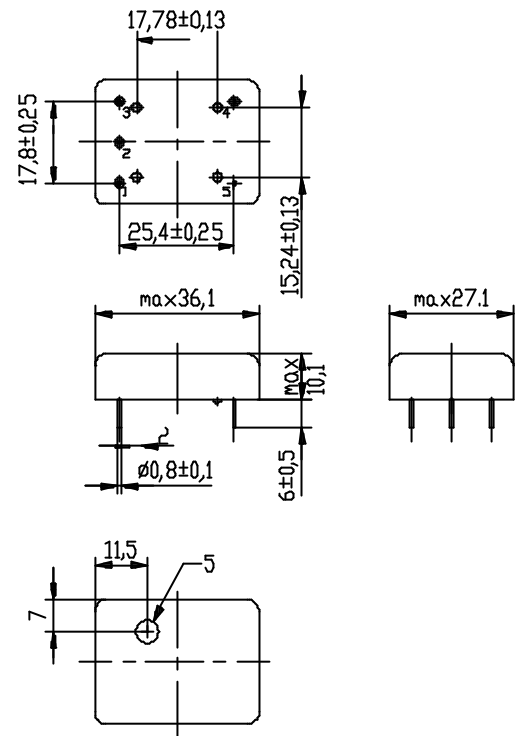
1. Pin configuration

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-791S



Option C

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

4				KVG Quartz Crystal Technology GmbH
3				P.O.Box 61
2				D-74924 Neckarbischofsheim
1	TCXO-F100 series	09.07.96	H.-J. Herzog	Tel. +49 (0) 7263 / 648-0
ED	Description	Date	Name	Fax. +49 (0) 7263 / 6196