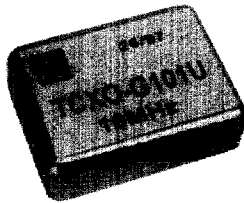


High Stability TCXOs

TCXO-F100
TCXO-G100



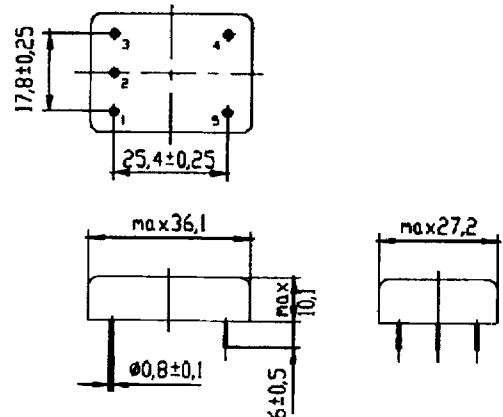
Features

TCXO-F100

- Standard-TCXO
- up to 35MHz
- 5 V supply
- -40 to +85°C
- HCMOS + Sinewave
- 36 x 27 x 10mm

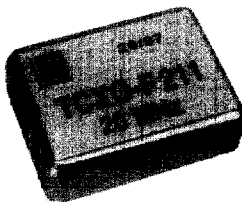
TCXO-G100

- Standard-TCXO
- up to 35MHz
- 12 V supply
- -40 to +85°C
- Sinewave output
- 36 x 27 x 10mm



Note: Dimensions in mm

TCXO-F200
TCXO-G200



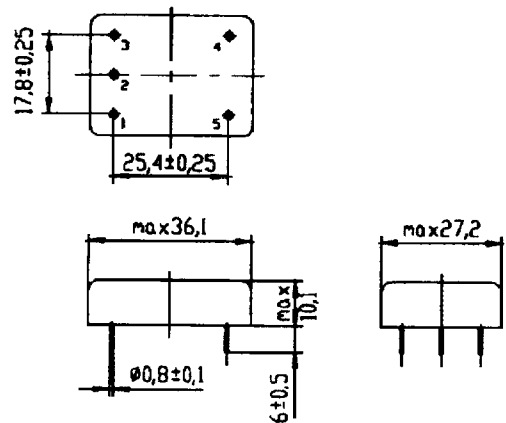
Features

TCXO-F200

- Standard-TCXO
- up to 35MHz
- 5 V supply
- -20 to +70°C
- HCMOS + Sinewave
- 36 x 27 x 10mm

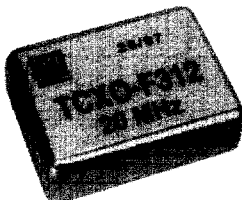
TCXO-G200

- Standard-TCXO
- up to 35MHz
- 12 V supply
- -20 to +70°C
- Sinewave output
- 36 x 27 x 10mm



Note: Dimensions in mm

TCXO-F300
TCXO-G300



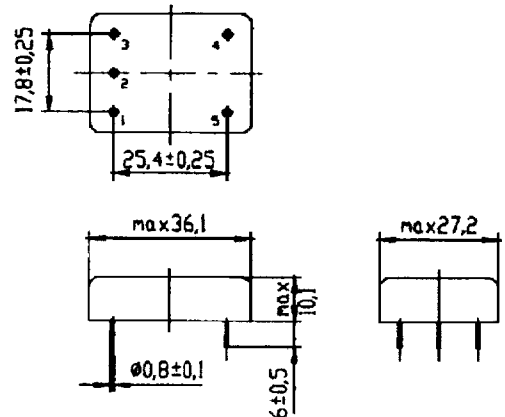
Features

TCXO-F300

- Standard-TCXO
- up to 35MHz
- 5 V supply
- 0 to +50°C
- HCMOS + Sinewave
- 36 x 27 x 10mm

TCXO-G300

- Standard-TCXO
- up to 35MHz
- 12 V supply
- 0 to +50°C
- Sinewave output
- 36 x 27 x 10mm



Note: Dimensions in mm

High Stability TCXOs

F100/200/300 SERIES SPECIFICATIONS

Type:	F101/201/301	F121/221/321	F111/211/311	F102/202/302	F122/222/322	F112/212/312
Frequency range:	5 MHz to 35 MHz		3 kHz to 35MHz	5 to 35 MHz		3 kHz-35MHz
Frequency stability vs. temp. -40°C + 80°C: -20°C + 70°C: 0°C + 50°C:	<±2 ppm (for F100 series) <±1 ppm (for F200 series) <±0.5 ppm (for F300 series)			<±3 ppm (for F100 series) <±2 ppm (for F200 series) <±1 ppm (for F300 series)		
Frequency stability vs. supply changes $U_b \pm 5\%$: vs. load changes $\pm 5\%$:	$< \pm 1 \times 10^{-7}$ $< \pm 1 \times 10^{-7}$					
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 to 1V					
Supply voltage U_b :	5 V $\pm 5\%$					
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:	Sine 3V _{pp} — 500 Ω —	Sine 0dBm — 50 Ω —	HCMOS 4; 0.4V 40/60%	Sine 3V _{pp} — 500 Ω —	Sine 0dBm — 50 Ω —	HCMOS 4; 0.4V 40/60%
Temperature ranges (operating): For F100 series: For F200 series: For F300 series:	-40°C to +80°C -20°C to +70°C 0°C to +50°C					

G100/200/300 SERIES SPECIFICATIONS

Type:	G101/201/301	G121/221/321	G102/202/302	G122/222/322
Frequency range:	5 to 35 MHz			
Frequency stability vs. temp. -40°C + 80°C:	<±2 ppm (for G100 series)		<±3 ppm (for G100 series)	
-20°C + 70°C:	<±1 ppm (for G200 series)		<±2 ppm (for G200 series)	
0°C + 50°C:	<±0.5 ppm (for G300 series)		<±1 ppm (for G300 series)	
Frequency stability vs. supply changes $U_s \pm 5\%$:	<±1x10 ⁻⁷			
vs. load changes ± 5%:	<±1x10 ⁻⁷			
Aging:	±1 ppm/year			
Frequency correction:	±5 ppm by external trimmer 20 kOhm			
Option C:	±5 ppm by internal trimmer			
Option U:	±5 ppm by ext. voltage 0 to 1V			
Supply voltage U_s :	12 V ±10%			
Max. current consumption f<20 MHz:	8 mA			
f>20 MHz:	10 mA			
Output voltage:	Sine	Sine	Sine	Sine
level min:	3V _{pp}	0dBm	3V _{pp}	0dBm
High; Low voltage:	—	—	—	—
load:	500 Ω	50 Ω	500 Ω	50 Ω
duty cycle:	—	—	—	—
Temperature ranges (Operating):				
For G100 series:	-40°C to +80°C			
For G200 series:	-20°C to +70°C			
For G300 series:	0°C to +50°C			