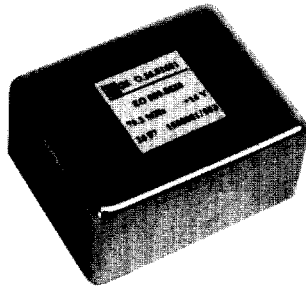


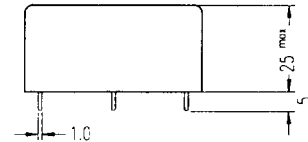
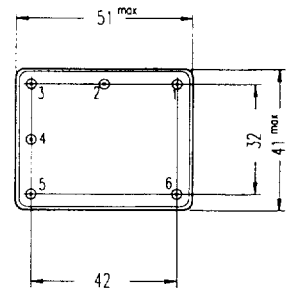
# Compact High Stability OCXOs

## Series 2600



### FEATURES

- Compact package
- Frequency range 2 to 160 MHz
- Temperature stability to  $\leq \pm 4 \times 10^{-9}$  (-20 to +70°C)
- Short term stability to  $\leq 3 \times 10^{-12}$  Allan variance
- AT, SC, BC cut



Note: Dimensions in mm

## SPECIFICATIONS

Model Variation by suffix **A** standard **B** long term stability **C** short term stability  
**D** tuning range **E** high frequency

### Selection guide

All specifications are guaranteed data

	A	B	C	D	E	Options
<b>Long term stability</b> per year	$<1 \times 10^{-7}$	$<3 \times 10^{-8}$	$<5 \times 10^{-8}$	$<1 \times 10^{-7}$	$<3 \times 10^{-7}$	
<b>Short term stab.</b> Allan var. for Tau = 1 sec.	$<5 \times 10^{-11}$	$<1 \times 10^{-11}$	$<3 \times 10^{-12}$	$<5 \times 10^{-10}$	$<5 \times 10^{-11}$	
<b>Frequency stability versus:</b>						
- operating temperature range	$<\pm 2 \times 10^{-8}$	$<\pm 4 \times 10^{-9}$	$<\pm 5 \times 10^{-9}$	$<\pm 5 \times 10^{-9}$	$<\pm 3 \times 10^{-8}$	
- load variation +/- 5%	$<\pm 5 \times 10^{-10}$	$<\pm 5 \times 10^{-11}$	$<\pm 5 \times 10^{-10}$	$<\pm 1 \times 10^{-9}$	$<\pm 5 \times 10^{-9}$	
- supply voltage variation +/- 5%	$<\pm 5 \times 10^{-10}$	$<\pm 5 \times 10^{-10}$	$<\pm 5 \times 10^{-10}$	$<\pm 2 \times 10^{-9}$	$<\pm 1 \times 10^{-9}$	
<b>Operating temperature</b> °C	-20 to +70	-20 to +70	0 to +60	0 to +65	-35 to +60	-40 to +75°C
<b>Frequency adjustment:</b>						
- electrical	$>\pm 1 \times 10^{-6}$	$>\pm 3 \times 10^{-7}$	$>\pm 5 \times 10^{-7}$	$>\pm 7 \times 10^{-6}$	$>\pm 2 \times 10^{-6}$	
- linearity error %						
- mechanical						
<b>Supply voltage</b> V	+12	+12	+12	+12	+12	+24
<b>Current consumpt. operating</b> 25°C mA	<150	<150	<b>&lt;150</b>	<b>&lt;145</b>	<b>&lt;145</b>	
<b>Current consumpt. warm up</b> mA	<400	<700	<b>&lt;700</b>	<b>&lt;700</b>	<b>&lt;700</b>	
<b>Output signal</b>	A/HCMOS	sine	sine	A/HCMOS	sine	sine/TTL/ A /HCMOS
<b>Spurious / Subharmonics</b> atten. dB	80	80	80	70		
<b>Phase noise</b> $\epsilon(f)$ at 10 Hz/ 10 kHz dBc/Hz	-115/-145	-125/-150	-125/-160	-110/-140	-90/-140	
<b>Pin out</b> 26 to	A,B,C,D	A,B,C,D	A,B,C,D	A,B,C	A,B,C	
<b>Typically used crystal-cut</b>	AT	AT/SC	SC	AT/BT	AT/BT	
<b>Preferred frequency</b> MHz	4.096 6.144 8.192 10.000	5.000 8.192 10.000 16.384	8.192 10.000	8.192	4 to 20 50 to 160	2 to 160