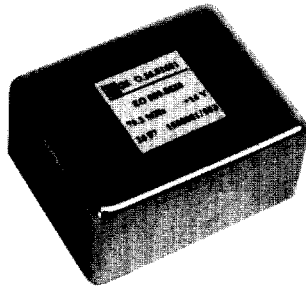


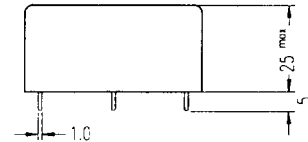
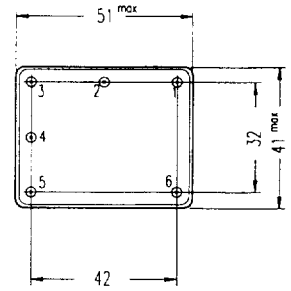
Compact High Stability OCXOs

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