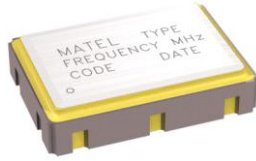


SMD Oscillator CXO 7X5 LVDS

HXO-T36 & HXO-T39



FEATURES
50 to 170 MHz LVDS Tri-State Enable/Disable Low Jitter and Noise
APPLICATIONS
Datcomms

Electrical Parameters

Parameters	Conditions	HXO-T36	HXO-T39
Frequency Range		50 to 170 MHz	
Power Supply Voltage		3.3 V \pm 5%	2.5 V \pm 5%
Supply Current		80 mA max	
Output load LVDS		100 Ω between outputs	
Output Symmetry	At 1.25V	40/60% (45/55% option)	
Rise Time /Fall times (20 to 80%)		1 nS Max	
Output Voltage	V_{OH}	1.4 V typ	
	V_{OL}	1.1V typ	
Differential Output	V_{OD}	350 mV typ	
Differential Output error	ΔV_{OD}	40 mV typ	
Offset Voltage	V_{OS}	1.25 V typ	
Offset Voltage Error	ΔV_{OS}	50 mV typ	
Jitter RMS (12 KHz to 20 MHz)		\leq 1 ps	
Complementarity output on pin 5		180° Phase shifted	
Start-up Time		\leq 10 mS	
Ageing (First Year)	25°C \pm 3°C	\pm 2 ppm Max	

Ordering Code Stability

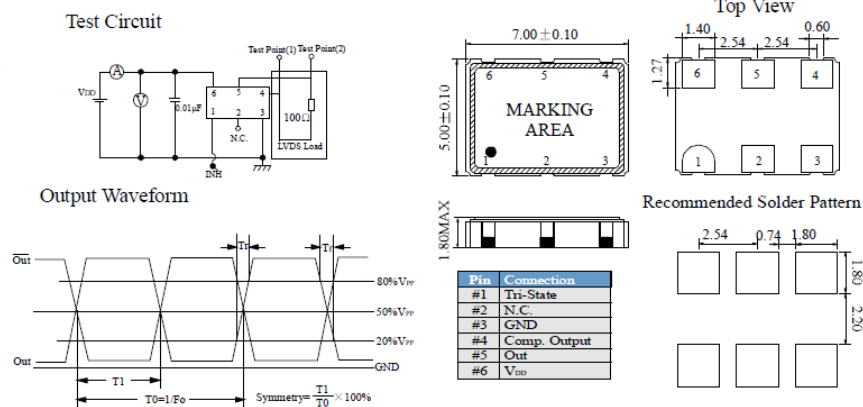
Stability*	Code	Temperature Range	Code
\pm 25 ppm	A	- 10 + 70°C	M
\pm 50 ppm	B	- 20 + 70°C	E
\pm 100 ppm	C	- 40 + 85°C	W

*Includes: 25°C calibration, operating temperature range, input voltage and load change, ageing, shock and vibration

Options

Option	Code
Symmetry 45/55%	T

Mechanical Dimensions (mm)



SMD CXO

Note : 0.01uF bypass capacitor should be place between VDD (Pin 6) and GDN (pin 3) to minimize power supply line noise

TYPE	HXO-T36 & HXO-T39	REVISION	03	CHECKED	PB	DATE	23/03/2013
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All specifications are subject to change without notice