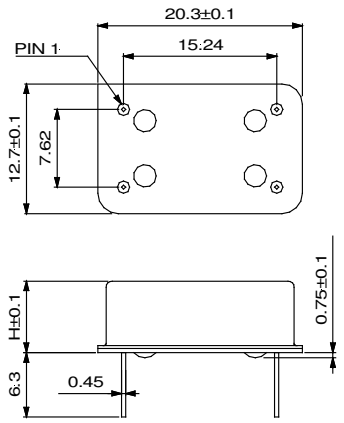
PRECISION DIL-14 PACKAGE TCXO

DFA 14-CO (5 V) / CLO (3.3 V) / CUO (3.0 V)

KEY FEATURES
5 to 52 MHz
Tight temperature stability
Analogue temperature compensation
APPLICATIONS
Transmissions, Access, Microwave

Function	DFA 14
NC or V control	1
GND	7
Output	8
Vcc	14

H = 8.50 mm



TYPE	DFA 14-CO	DFA 14-CLO	DFA 14-CUO
Frequency Range	5 to 52 MHz		

ELECTRICAL SPECIFICATIONS				
supply voltage		5 V ± 5 %	3.3 V ± 5 %	3.0 V ± 5 %
supply current (no load)	≤ 13 MHz	≤ 3 mA	≤ 2 mA	≤ 2 mA
	≤ 26 MHz	≤ 4 mA	≤ 3 mA	≤ 3 mA
	> 26 MHz	≤ 6 mA	≤ 5 mA	≤ 5 mA
output load		Clipped sine wave 10 kΩ // 10 pF	Clipped sine wave 10 kΩ // 10 pF	Clipped sine wave 10 kΩ // 10 pF
output amplitude	≤ 40 MHz	≥ 1.0 V p-p	≥ 1.0 V p-p	≥ 1.0 V p-p
	> 40 MHz	≥ 0.8 V p-p	≥ 0.8 V p-p	≥ 0.8 V p-p
Harmonics of output signal		- 10 dBc typ	- 10 dBc typ	- 10 dBc typ
spurious		≤ - 70 dBc	≤ - 70 dBc	≤ - 70 dBc
start-up		≤ 10 ms @ 4.75 V	≤ 10 ms @ 3.15 V	≤ 10 ms @ 2.85 V

FREQUENCY STABILITY			detailed tolerances [ppm]				
type	temperature range	model code	stability versus: temperature	Vcc ± 5 %	load ± 10 %	ageing	calibration @ 25°C
all types	0 to 70°C	B0.5*	≤ ± 0.5	≤ ± 0.1	≤ ± 0.1	≤ ± 1	≤ ± 1
	-20 to 70°C	C0.5*	≤ ± 0.5				
	-40 to 85°C	E0.5*	≤ ± 0.5				
	-40 to 85°C	E1*	≤ ± 1.0				
	-40 to 85°C	E2	≤ ± 2.0				
remarks			* Not available at all frequencies, please consult factory for more details				
			ageing is 1st year at 25°C				

OPTIONS	CODE			
voltage control on pin 1 (positive slope)	V	≥ ± 5 ppm, ≤ ± 15 ppm 2.5 V ± 2.0 V	≥ ± 5 ppm, ≤ ± 15 ppm 1.65 V ± 1.35 V	≥ ± 5 ppm, ≤ ± 15 ppm 1.5 V ± 1.0 V

ORDERING CODE	type + option code + frequency + model code
Example	DFA 14-CLOV 16.384 MHz E1