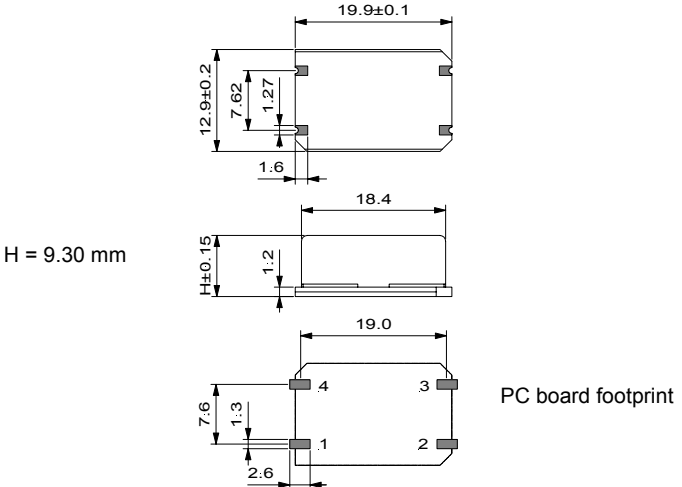


## LOW COST SURFACE MOUNT TCXO

### DFA S7-CH (5 V) & DFA S7-CLH (3.3 V)

KEY FEATURES
<b>1.5 to 25 MHz</b>  <b>Tight temperature stability</b>  <b>Analogue temperature compensation</b>
APPLICATIONS
<b>Transmissions, Access, Microwave</b>

Function	DFA S7
V control / NC	1
GND	2
Output	3
Vcc	4



TYPE	DFA S7-CH	DFA S7-CLH
Frequency Range	1.5 to 25 MHz	1.5 to 25 MHz

ELECTRICAL SPECIFICATIONS	DFA S7-CH	DFA S7-CLH
supply voltage	5 V ± 5 %	3.3 V ± 5 %
supply current ( no load)	≤ 20 mA	≤ 10 mA
output load	HCMOS 15 pF or 2 TTL	HCMOS 15 pF or 2 TTL
duty cycle @ 50% level	45/55...55/45 %	45/55...55/45 %
rise/fall times (10 to 90 %)	≤ 5 ns	≤ 5 ns
high/low levels or output amplitude	≥ 4.5 V / ≤ 0.5 V	≥ 2.8 V / ≤ 0.3 V
start-up	≤ 10 ms @ 4.75 V	≤ 10 ms @ 3.15 V

FREQUENCY STABILITY			detailed tolerances [ ppm ]				
type	temperature range	model code	temperature	stability versus:			calibration @ 25°C
				Vcc ± 5 %	load ± 10 %	ageing	
all types	0 to 70°C	B0.5	≤ ± 0.5	≤ ± 0.3	≤ ± 0.1	≤ ± 1	≤ ± 1
	-20 to 70°C	C1.5	≤ ± 1.5				
	-30 to 75°C	N2.5	≤ ± 2.5				
remark			ageing is 1 <sup>st</sup> year at 25°C				

OPTIONS	CODE	DFA S7-CH	DFA S7-CLH
voltage control on pin 1 (positive slope )	V	≥ ± 5 ppm, ≤ ± 15 ppm 2.5 V ± 2 V	≥ ± 5 ppm, ≤ ± 15 ppm 1.65 V ± 1.35 V

ORDERING CODE	type + option code + frequency + model code
Example	DFA S7-CLHV 19.440 MHz C1.5