

LOW COST SURFACE MOUNT TCXO

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

KEY FEATURES

1.5 to 25 MHz

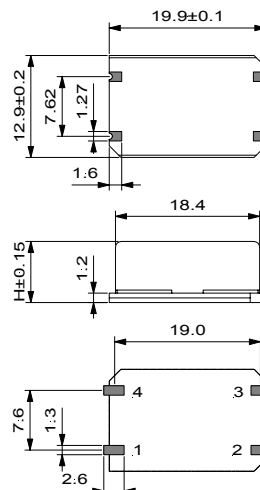
Tight temperature stability

Analogue temperature compensation

APPLICATIONS

Transmissions, Access, Microwave

H = 9.30 mm



PC board footprint

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		
supply voltage	5 V $\pm$ 5 %	3.3 V $\pm$ 5 %
supply current (no load)	$\leq$ 20 mA	$\leq$ 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 %)	$\leq$ 5 ns	$\leq$ 5 ns
high/low levels or output amplitude	$\geq$ 4.5 V / $\leq$ 0.5 V	$\geq$ 2.8 V / $\leq$ 0.3 V
start-up	$\leq$ 10 ms @ 4.75 V	$\leq$ 10 ms @ 3.15 V

FREQUENCY STABILITY			detailed tolerances [ppm]				
type	temperature range	model code	temperature	stability versus:			calibration @ 25°C
all types	0 to 70°C	B0.5	$\leq \pm 0.5$	$\leq \pm 0.3$	$\leq \pm 0.1$	$\leq \pm 1$	$\leq \pm 1$
	-20 to 70°C	C1.5	$\leq \pm 1.5$				
	-30 to 75°C	N2.5	$\leq \pm 2.5$				
remark			ageing is 1 st year at 25°C				

OPTIONS	CODE		
voltage control on pin 1 (positive slope)	V	$\geq \pm 5$ ppm, $\leq \pm 15$ ppm 2.5 V $\pm$ 2 V	$\geq \pm 5$ ppm, $\leq \pm 15$ ppm 1.65 V $\pm$ 1.35 V

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