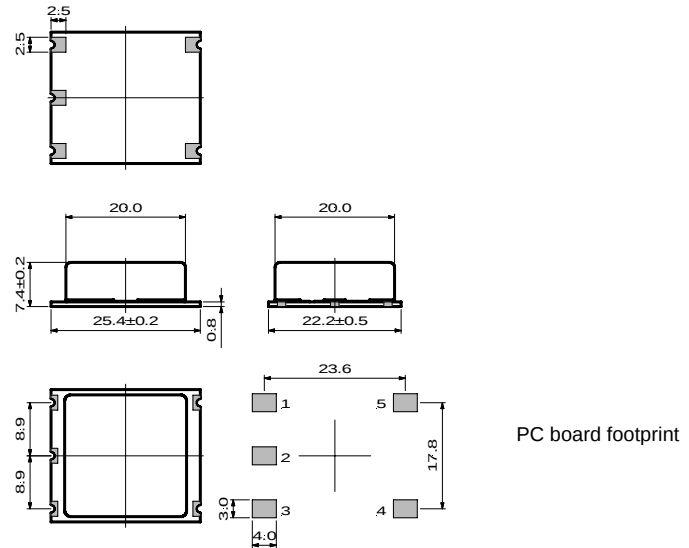


SURFACE MOUNT TCXO

DFA S4-KHZ (5 V) & DFA S4-LHZ (3.3 V)

KEY FEATURES
5 to 52 MHz
Tight stability
Analogue temperature compensation
APPLICATIONS
SDH/Sonet/Microwave

Function	DFA S4
NC	1
E/D	2
Vcc	3
Output	4
GND	5



TYPE	DFA S4-KHZ	DFA S4-LHZ
Frequency Range	5 to 52 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
tri-state control on pin 2	high or open = enable, low = high Z	high or open = enable, low = high Z

FREQUENCY STABILITY			detailed tolerances [ppm]				
type	temperature range	model code	temperature	stability versus:		ageing	calibration @ 25°C
all types	0 to 70°C	B0.5	$\leq \pm 0.5$	Vcc $\pm$ 5 %	load $\pm$ 10 %	$\leq \pm 1$	$\leq \pm 1$
	-20 to 70°C	C0.5	$\leq \pm 0.5$	$\leq \pm 0.1$	$\leq \pm 0.1$		
	-40 to 85°C	E0.5	$\leq \pm 0.5$				
	-40 to 85°C	E1	$\leq \pm 1.0$				
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 S4-KHZV 19.44 MHz E0.5