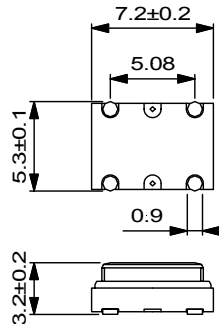
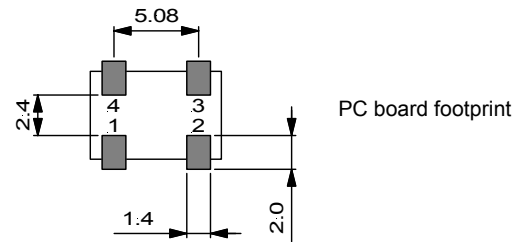
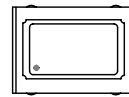


ULTRA MINIATURE SURFACE MOUNT TCXO
DFA S2-KS / LS / US

KEY FEATURES
10 to 30 MHz Miniature size Analogue temperature compensation
APPLICATIONS
Mobile communications/Microwave



Function	DFA S2
NC or V control	1
GND	2
Output	3
Vcc	4



TYPE	DFA S2-KS	DFA S2-LS	DFA S2-US
Frequency Range	10 to 30 MHz	10 to 30 MHz	10 to 30 MHz

ELECTRICAL SPECIFICATIONS	DFA S2-KS	DFA S2-LS	DFA S2-US
supply voltage	5 V ± 5 %	3.3 V ± 5 %	3.0 V ± 5 %
supply current (no load)	≤ 2 mA	≤ 2 mA	≤ 2 mA
output load	sine wave 10 kΩ//10 pF	sine wave 10 kΩ//10 pF	sine wave 10 kΩ//10 pF
high/low levels or output amplitude	≥ 1.0 V p-p	≥ 1.0 V p-p	≥ 1.0 V p-p
harmonics	≤ -25 dBc	≤ -25 dBc	≤ -25 dBc
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	temperature	stability versus:			calibration @ 25°C
				Vcc ± 5 %	load ± 10 %	ageing	
all types	0 to 70°C	B0.5	≤ ± 0.5	≤ ± 0.3	≤ ± 0.3	≤ ± 1	≤ ± 1
	-20 to 70°C	C1.5	≤ ± 1.5				
	-30 to 75°C	N2.5	≤ ± 2.5				
remark			ageing is 1 st year at 25°C				

OPTIONS	CODE	DFA S2-KS	DFA S2-LS	DFA S2-US
voltage control (positive slope)	V	≥ ± 5 ppm, ≤ ± 15 ppm 2.5 V ± 2 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 S2-LSV 12.8 MHz B0.5