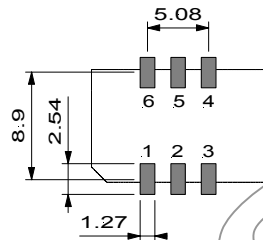
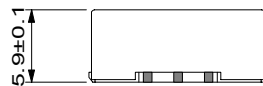
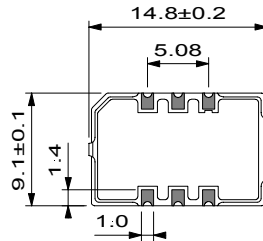


**STRATUM III MINIATURE SMD TCXO
TYPE DFA S1-KHZ (5 V) & DFA S1-LHZ (3.3 V)**

CRYSTAL PACKED INTO ITS OWN HOLDER

STRATUM III COMPLIANT

SMALL SIZE



PC board footprint

Function	DFA S1
NC	1
E / D	2
GND	3
Output	4
NC	5
Vcc	6

TYPE	DFA S1-KHZ	DFA S1-LHZ
Frequency Range	1.5 to 25 MHz	1.5 to 25 MHz
Standard frequencies	12.8, 16.384, 19.44 & 20 MHz	12.8, 16.384, 19.44 & 20 MHz

ELECTRICAL SPECIFICATIONS	DFA S1-KHZ	DFA S1-LHZ
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
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 :		Overall stability	Calibration @ 25°C
				Vcc ± 5 %	ageing		
all types	0 to 50°C	AS3	≤ ± 0.28	≤ ± 0.3	≤ ± 3 over 15 years	≤ ± 4.6 over 15 years	≤ ± 0.8
	0 to 70°C	BS3	≤ ± 0.5				

ORDERING CODE	type + option code + frequency + model code
Example	DFA S1-LHZ 19.44 MHz AS3

REMARK Preliminary data sheet is subject to change without notice