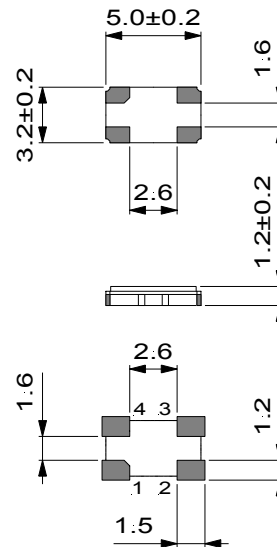


ULTRA MINIATURE SURFACE MOUNT TCXO
DFA S15-OV / UOV / LOV

KEY FEATURES
10 to 25 MHz
Miniature size
Analogue temperature compensation
APPLICATIONS
Mobile communications/PCMCIA

Function	DFA S15
V control	1
GND	2
Output	3
Vcc	4



PC board footprint

TYPE	DFA S15-OV	DFA S15-UOV	DFA S15-LOV
Frequency Range	10 to 25 MHz	10 to 25 MHz	10 to 25 MHz

ELECTRICAL SPECIFICATIONS	DFA S15-OV	DFA S15-UOV	DFA S15-LOV
supply voltage	5 V ± 5 %	3.0 V ± 5 %	3.3 V ± 5 %
supply current (no load)	≤ 2 mA	≤ 2 mA	≤ 2 mA
output load	clipped sine wave 10 kΩ//10 pF	clipped sine wave 10 kΩ//10 pF	clipped sine wave 10 kΩ//10 pF
high/low levels or output amplitude	≥ 1.0 V p-p	≥ 0.7 V p-p	≥ 0.7 V p-p
harmonics	≤ -3 dBc	≤ -3 dBc	≤ -3 dBc
start-up	≤ 4 ms @ 4.75 V	≤ 4 ms @ 2.85 V	≤ 4 ms @ 2.85 V

FREQUENCY STABILITY			detailed tolerances [ppm]				
type	temperature range	model code	temperature	stability versus:		ageing	calibration @ 25°C
				Vcc ± 5 %	load ± 5 %		
all types	0 to 70°C	B1.5	≤ ± 1.5	≤ ± 0.3	≤ ± 0.2	≤ ± 1	≤ ± 2.5
	-25 to 75°C	P2	≤ ± 2.0				
	-30 to 85°C	T2.5	≤ ± 2.5				
remark			ageing is 1 st year at 25°C				
voltage control (positive slope)			≥ ± 3 ppm, ≤ ± 7 ppm 2.5 V ± 2 V	≥ ± 3 ppm, ≤ ± 7 ppm 1.5 V ± 1.0V			

ORDERING CODE	type + option code + frequency + model code
Example	DFA S15-UOV 13 MHz P2

REMARK	Preliminary data sheet is subject to change without notice
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