

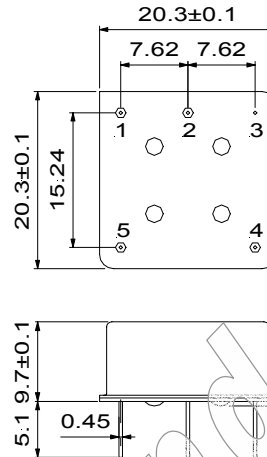
HIGH STABILITY SMALL SIZE TCXO **DFA 20**

OPTIONAL EXTERNAL VOLTAGE CONTROL

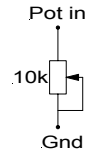
VERY HIGH OVERALL STABILITY

STANDARD PACKAGE

LOW AGEING



Option Y



Function	DFA 20
Vcc	1
Output	2
GND	3
GND/Pot in/Vco	4
GND	5

TYPE	DFA 20-H	DFA 20-MH	DFA 20-S	DFA 20-O
Frequency Range (MHz)	1 to 27	25 to 40	4 to 27	1 to 27

ELECTRICAL SPECIFICATIONS				
supply voltage	5 to 15 V ± 5 %	5 to 15 V ± 5 %	5 to 15 V ± 5 %	5 to 15 V ± 5 %
supply current (no load)	≤ 7 mA	≤ 20 mA	≤ 7 mA	≤ 7 mA
	> 25 MHz	≤ 30 mA	≤ 30 mA	≤ 10 mA
output load	HCMOS 15 pF or 2 TTL	Sine 50 Ω ± 10 %	clipped sine	20 kΩ/5 pF
duty cycle @ 2.5 V	≤ 40/60...60/40 %			
rise/fall times	≤ 10 ns			
high/low levels or output amplitude	≥ 3.5/ ≤ 0.5 V	0 dBm ± 2 dB	≥ 2 V p-p	
start-up	≤ 10 ms	≤ 10 ms	≤ 10 ms	

FREQUENCY STABILITY						
			Detailed tolerances [ppm]			
types	temperature range	model code	temperature	Vcc ± 5 %	load ± 10 %	ageing
all types	0 to 50°C	A0.5	≤ ± 0.5	≤ ± 0.1	≤ ± 0.1	≤ ± 1
	-10 to 60°C	D1	≤ ± 1			
	-20 to 70°C	C1	≤ ± 1			
	-30 to 75°C	C2	≤ ± 2			
	-40 to 85°C	N2	≤ ± 2			
			≤ ± 3			
remarks			Factory calibration if no trimming option ≤ ± 1 ppm			
			ageing is 1 st year at 25°C			

OPTIONS	CODE
external voltage	V
internal trimmer	A
external potentiometer	Y

ORDERING CODE	type + option code + frequency + model code/ voltage value
Example	DFA 20-HA 12.288 MHz N2/5