

HIGH STABILITY STANDARD SIZE TCXO

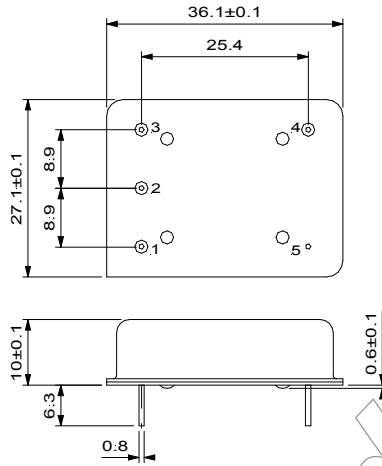
DFA 36

EXTERNAL POTENTIOMETER ADJUSTMENT

VERY HIGH OVERALL STABILITY

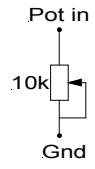
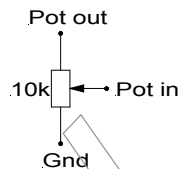
STANDARD PACKAGE

LOW AGEING



Standard

Option Y



Function	DFA 36
NC/Pot in / VCO	1
NC/Pot out	2
Vcc	3
Output	4
GND	5

MH and MS models supplied in solder sealed package.
Please consult factory for details.

TYPE	DFA 36-H	DFA 36-MH	DFA 36-S	DFA 36-MS
Frequency Range (MHz)	1 to 27	25 to 70	3 to 27	25 to 70

ELECTRICAL SPECIFICATIONS		DFA 36-H	DFA 36-MH	DFA 36-S	DFA 36-MS
supply voltage		5 to 15 V ± 5 %		5 to 15 V ± 5 %	
supply current (no load)	≤ 25 MHz > 25 MHz	≤ 10 mA ≤ 30 mA		≤ 20 mA ≤ 40 mA	
output load		HCMOS 15 pF or 2 TTL		Sine 50 Ω ± 10 %	
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	
start-up		≤ 10 ms		≤ 10 ms	

FREQUENCY STABILITY			detailed tolerances [ppm]				
types	temperature range	model code	temperature	stability versus :		potentiometer pulling range	
				Vcc ± 5 %	load ± 10 %	ageing	
all types	-10 to 60°C	D0.5	≤ ± 0.5	≤ ± 0.1	≤ ± 0.1	≤ ± 1	≥ ± 5
		D1	≤ ± 1				
	-20 to 70°C	C1	≤ ± 1				
		C2	≤ ± 2				
-40 to 85°C	E2	≤ ± 2					
	E3	≤ ± 3					
remarks	external potentiometer value 10 kΩ factory calibration if no trimming option ≤ ± 1 ppm ageing is 1 st year at 25°C						

OPTIONS	CODE	
internal trimmer	A	≥ ± 5 ppm
external 2 point potentiometer	Y	10 kΩ ≥ ± 5 ppm, between pin 1 and GND
external voltage	V	2.5 ± 2 V ≥ ± 5 ppm, negative slope
	VP	2.5 ± 2 V ≥ ± 5 ppm, positive slope

ORDERING CODE	type + option code + frequency + model code / voltage value
Example	DFA 36-HA 16.384 MHz E2/12