

## HIGH STABILITY STANDARD SIZE TCXO

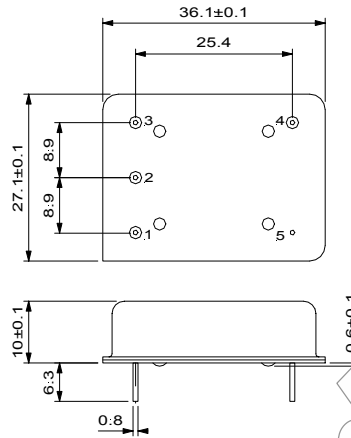
### DFA 36

EXTERNAL POTENTIOMETER ADJUSTMENT

VERY HIGH OVERALL STABILITY

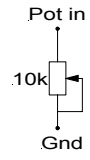
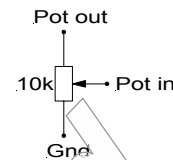
STANDARD PACKAGE

LOW AGEING



Standard

Option Y



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

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

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 ≤ 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 <sup>st</sup> 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