

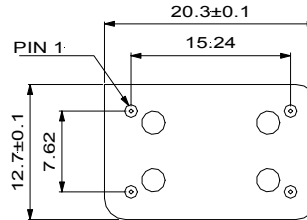
HIGH FREQUENCY DIL 14 VCXO DFV 14-KEC & DFV 14-KO

FAST ECL 10KH OR CLIPPED SQUARE WAVE OUTPUT

STANDARD DIL 14 PACKAGE

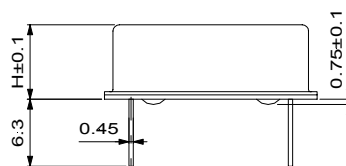
WIDE PULLING RANGE

HIGH FREQUENCIES



Pin	DFV 14-KEC/O
1	V control
7	GND
8	Output
14	Vcc

H = 8.50 mm



TYPE	DFV 14-KEC	DFV 14-KO
Frequency Range	30 to 160 MHz	30 to 160 MHz

ELECTRICAL SPECIFICATIONS	DFV 14-KEC	DFV 14-KO
supply voltage	5 V ± 5 %	5 V ± 5 %
supply current (no load)	≤ 50 mA	≤ 50 mA
output load	PECL 10 KH (50 Ω to 3 V)	50 Ω, square wave, AC coupled
duty cycle (ECL/PECL @ 50 % level)	40/60...60/40 %	40/60...60/40 % @ 0 V
rise/fall times (20 to 80 %)	≤ 2 ns	
high/low levels or output amplitude	≥ 3.97 V / ≤ 3.45 V	0 dBm ± 2 dB
start up	≤ 10 ms @ 4.75 V	≤ 10 ms @ 4.75 V

FREQUENCY STABILITY			detailed tolerances [ppm]						
type	temperature range	model code	stability versus :					pulling range positive function	control voltage
			temp.	@ 25°C	Vcc	load	ageing		
all types	0 to 70°C	100B15	≤ ± 15	≤ ± 10	≤ ± 2	≤ ± 1	≤ ± 2	≥ ± 100	2.5 V ± 2.5 V
		100B25	≤ ± 25						
remarks			input impedance ≥ 10 kΩ						
			modulation frequency ≥ 10 kHz @ -3 dB						
			ageing is 1 st year at 25°C						

ORDERING CODE	type + option code + frequency + model code
Example	DFV 14-KEC 155.520 MHz 100B15