

VOLTAGE CONTROLLED CRYSTAL OSCILLATORS 7100 SERIES

■ Model 7120A
7130A
7135A

■ Main applications : PLL, FM Modulation, Sweep Generators

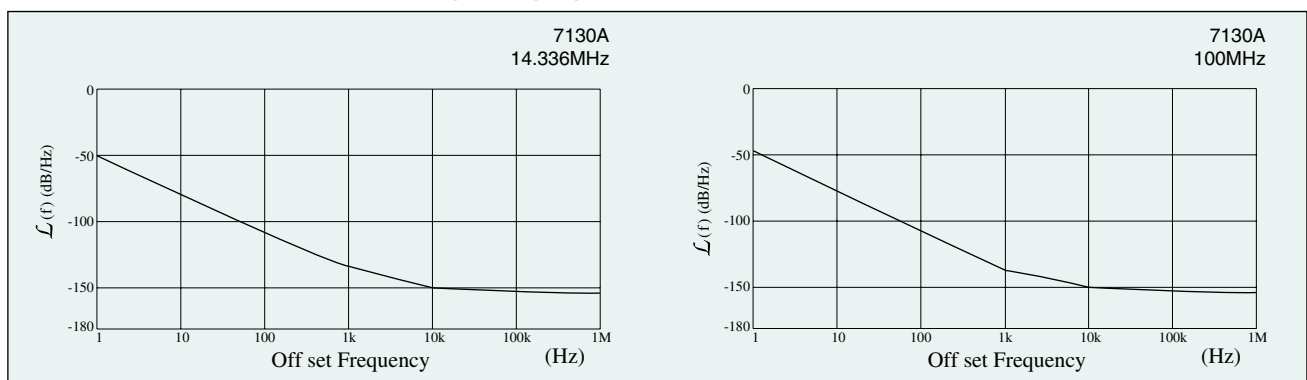
■ Features ● Excellent VC characteristics
● Wide frequency range covering high frequency

■ Specification

Item	Model	7120A	7130A			7135A				
	Spec. Code	A	A	B	C	A	B	C	D	E
		VE71	SA01	VE01	VE01	RA01	RA01	RA01	RA01	RA01
Nominal Frequency Range (MHz)		14~25	8~25	25~75	75~125	10~18	18~75	75~125	125~175	175~200
Supply Voltage		+5VDC±5%	+12VDC±5%			+12VDC±5%				
Load		N-TTL2	50Ω			50Ω				
Operating Temp. Range		−10~+60℃	0~+50℃	−10~+60℃		0~+50℃				
Current Consumption		20mA max	15mA max			15mA max				
Output Level		TTL	0.63 ~ 1.58mW (0dBm±2dB)			0.63 ~ 1.58mW (0dBm±2dB)				
Duty Cycle		40~60% (+1.4V)	—			—				
Frequency Stability		±30×10 ^{−6} max/−10~+60℃	±15×10 ^{−6} max /0~+50℃	±30×10 ^{−6} max/−10~+60℃		±10×10 ^{−6} max/0~+50℃				
Supply Volt Change		±10×10 ^{−6} max/+5V±5%	±5×10 ^{−6} max/+12V±5%			±5×10 ^{−6} max/+12V±5%				
Aging		±5×10 ^{−6} max/year	±5×10 ^{−6} max/year			±5×10 ^{−6} max/year				
AFC Charact.		+200×10 ^{−6} min/+2.5±2.5V	±200×10 ^{−6} min /+2.5±2.5V	±100×10 ^{−6} min /+2.5±2.5V	±40×10 ^{−6} min /+2.5±2.5V	+30×10 ^{−6} min/+2.5±2.0V				
Porality		Positive	Positive			Positive				
Case Code		20A-5	30A-3			35A-2				

If you need NON-standard spec., please contact us.

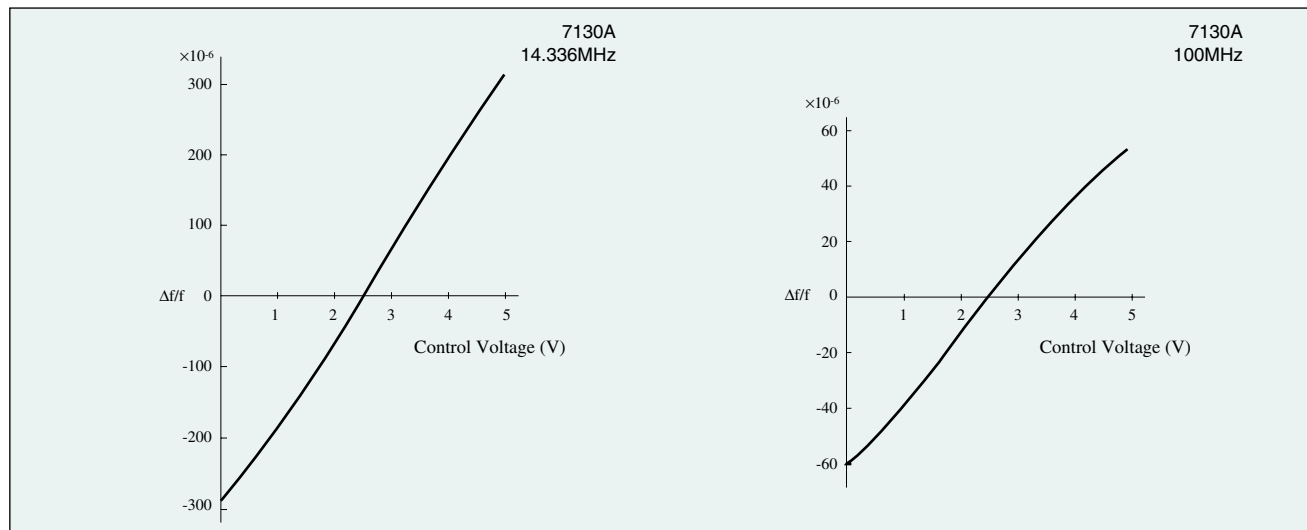
■ Phase Noise Characteristics (example)



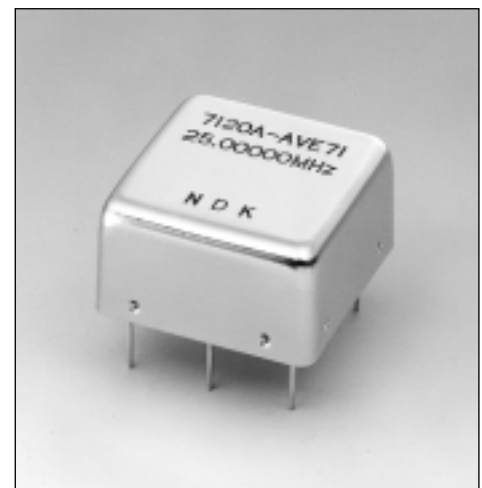
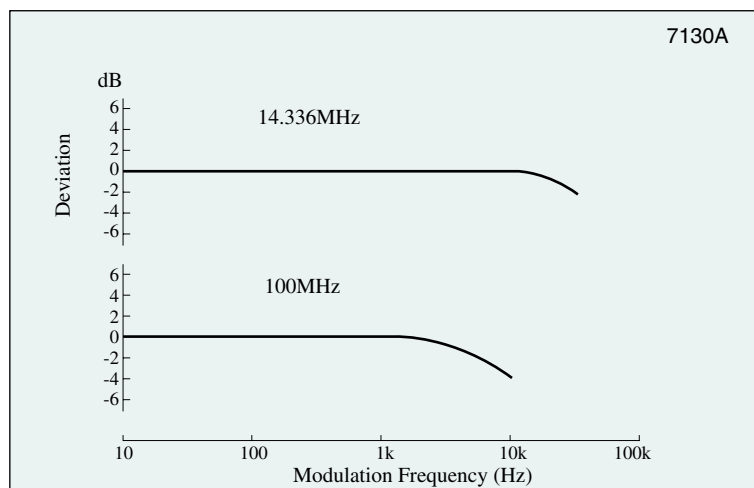
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■ Frequency Drift vs. Control Voltage (example)



■ Frequency Modulation Characteristics (example)



■ Dimensions

