

# SIMPLE PACKAGED CRYSTAL OSCILLATORS 3700 SERIES

## Model 3720B

## 3730B

- Main applications: Communications equipment.
- Features
  - Direct drive TTL IC by single supply voltage +5VDC
  - Low power consumption

### ■ Specification

Item	Model		3720B		3730B		
	Spec. Code		AQE70	ARE70	GWA70	HWA70	BWA70
Nominal Frequency Range (MHz)			10~25		38kHz~10	10~25	25~60
Frequency Stability			$\pm 5 \times 10^{-6}$	$\pm 10 \times 10^{-6}$	$\pm 50 \times 10^{-6}$ Over all		
			-10~+60°C		0~+50°C		
Supply Volt Change			$\pm 3 \times 10^{-6} / +5V \pm 5\%$		+5V $\pm 5\%$		
Supply Voltage			+5VDC				
Current Consumption			15mA max		45mA max	70mA max	
V <sub>OL</sub> max/V <sub>OH</sub> min			V <sub>OL</sub> : 0.4Vmax V <sub>OH</sub> : 2.4Vmin			V <sub>OL</sub> : 0.5Vmax V <sub>OH</sub> : 2.4Vmin	
Fanout (gate)			N-TTL 2		N-TTL 5	N-TTL 10	
Duty cycle (+1.4 V)			40~60%		45~55%	45~55%	40~60%
Aging			$\pm 2 \times 10^{-6}$ /year				
Frequency Trim Range			$\pm 3 \times 10^{-6}$ min		—		
Case Code			20B		30B		

Note: This oscillator is shipped after frequency adjustment at NDK. But if you need to trim frequency by trimmer condenser, please make sure that the driver fits trimmer rotor hole. Also do not apply pressure to trimmer rotor. If you need NON-standard spec., please contact us.

### ■ Dimensions

