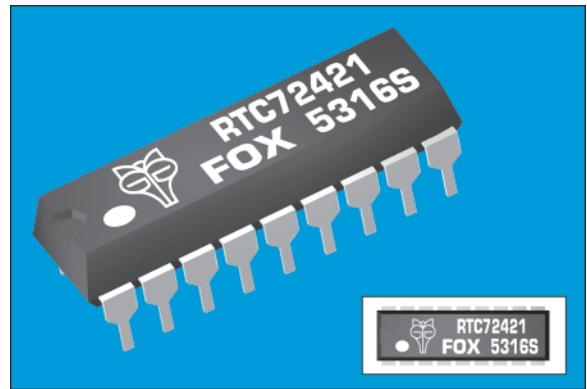


REAL TIME CLOCK MODULE RTC72421

The RTC72421 module is a Real Time Clock designed for use with microprocessors. The built-in 32.768 kHz standard clock quartz oscillator eliminates the need for regulation. The RTC72421 uses little or no external hardware (depending on application), and greatly enhances ease of incorporation into circuit designs.

FEATURES

- Built-in quartz crystal
- Time and date functions
- 12/24 hour clock switchover and automatic leap year setting
- Faster access time @ 120 nS
- CMOS circuitry
- 18 pin dual in line package
- 4 bit parallel data string
- Application notes available *



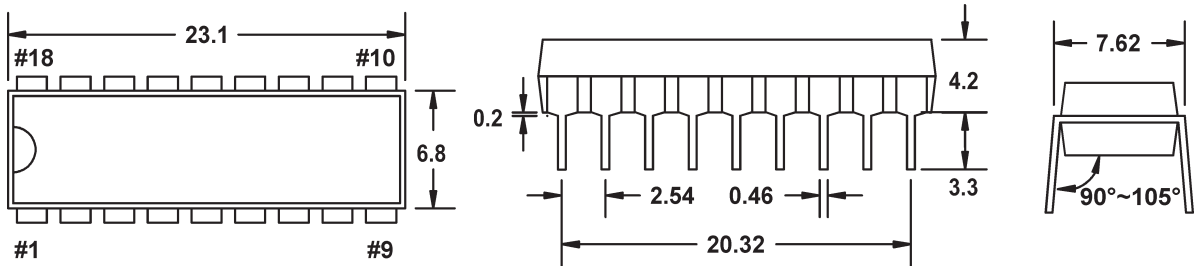
Actual Size

Pin Connections

1. STD. P	18. +5 V _{cc}
2. CS ₀	17. +5 V _{cc}
3. ALE	16. +5 V _{cc}
4. A ₀	15. CS ₁
5. A ₁	14. D ₀
6. A ₂	13. D ₁
7. A ₃	12. D ₂
8. READ	11. D ₃
9. GND	10. WRITE

• ELECTRICAL CHARACTERISTICS				
PARAMETERS	CONDITIONS	MIN	MAX	UNITS
Frequency Tolerance RTC 72421A RTC 72421B	T _a = 25°C; V _{DD} = 5 V	-10 -50	+10 +50	PPM
Frequency Stability	-10°C ~ +70°C	-120	+10	PPM
Temperature Range				
Operating Temperature (TOPR)		-10	+70	°C
Storage Temperature (TSTG)		-55	+85	
Supply Voltage (V _{DD})		+4.5	+5.5	V
Input Current (I _{DD})			10	μA
Output Voltage (V _{OL}) (V _{OH})	T _a = 25°C		0.4	V
Input and Output Voltage (V _{I/O})	T _a = 25°C	GND -0.3V	V _{DD} +0.3V	V
Data Hold Voltage (V _{DH})		2.0	5.5	V
Aging (1st yr)	T _a = 25°C; V _{DD} = 5 V	-5.0	+5.0	PPM

* Call Fox Customer Service for application notes.
All specifications subject to change without notice. Rev. 10/29/97



All dimensions are in millimeters.