



# 416F40022AAR Information



For Reference Only

Part Number 416F40022AAR

Manufacturer CTS-Frequency Controls

Category Crystals, Oscillators, Resonators

Crystals

**Description** CRYSTAL 40.000 MHZ 10PF SMT

Package 4-SMD, No Lead

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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# **Certified Quality**

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# 416F40022AAR Specifications

| Manufacturer Part Number         416F40022AAR           Manufacturer         CTS-Frequency Controls           Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         416           Type         MHz Crystal           Frequency         40MHz           Frequency Stability         ±20ppm           Frequency Tolerance         ±20ppm           Load Capacitance         10pF           ESR (Equivalent Series Resistance)         100 Ohm           Operating Mode         Fundamental           Operating Temperature         -10°C ~ 60°C           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.063" L x 0.047" W (1.60mm x 1.20mm)           Height - Seated (Max)         Papert agrees? | •                                  |                                       |
|--|------------------------------------|---------------------------------------|
| Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         416           Type         MHz Crystal           Frequency         40MHz           Frequency Stability         ±20ppm           Frequency Tolerance         ±20ppm           Load Capacitance         10pF           ESR (Equivalent Series Resistance)         100 Ohm           Operating Mode         Fundamental           Operating Temperature         -10°C ~ 60°C           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.063" L x 0.047" W (1.60mm x 1.20mm)           Height - Seated (Max)         0.018" (0.45mm)  | Manufacturer Part Number           | 416F40022AAR                          |
| Package         4-SMD, No Lead           Series         416           Type         MHz Crystal           Frequency         40MHz           Frequency Stability         ±20ppm           Frequency Tolerance         ±20ppm           Load Capacitance         10pF           ESR (Equivalent Series Resistance)         100 Ohm           Operating Mode         Fundamental           Operating Temperature         -10°C ~ 60°C           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.063" L x 0.047" W (1.60mm x 1.20mm)           Height - Seated (Max)         0.018" (0.45mm)   | Manufacturer                       | CTS-Frequency Controls                |
| Package 4-SMD, No Lead  Series 416  Type MHz Crystal  Frequency 40MHz  Frequency Stability ±20ppm  Frequency Tolerance ±20ppm  Load Capacitance 10pF  ESR (Equivalent Series Resistance) 100 Ohm  Operating Mode Fundamental  Operating Temperature -10°C ~ 60°C  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.063" L x 0.047" W (1.60mm x 1.20mm)  Height - Seated (Max) 0.018" (0.45mm)   | Category                           | Crystals, Oscillators, Resonators     |
| Series $416$ TypeMHz CrystalFrequency $40$ MHzFrequency Stability $\pm 20$ ppmFrequency Tolerance $\pm 20$ ppmLoad Capacitance $10$ pFESR (Equivalent Series Resistance) $100 \text{ Ohm}$ Operating ModeFundamentalOperating Temperature $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$ Ratings-Mounting TypeSurface MountPackage / Case $4-\text{SMD}$ , No LeadSize / Dimension $0.063^{\circ}$ L x $0.047^{\circ}$ W $(1.60 \text{mm x } 1.20 \text{mm})$ Height - Seated (Max) $0.018^{\circ}$ ( $0.45 \text{mm}$ )  |                                    | Crystals                              |
| Type MHz Crystal Frequency 40MHz Frequency Stability ±20ppm Frequency Tolerance ±20ppm  Load Capacitance 10pF  ESR (Equivalent Series Resistance) 100 Ohm Operating Mode Fundamental Operating Temperature -10°C ~ 60°C  Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.063" L x 0.047" W (1.60mm x 1.20mm) Height - Seated (Max) 0.018" (0.45mm)  | Package                            | 4-SMD, No Lead                        |
| Frequency Stability ±20ppm  Frequency Tolerance ±20ppm  Load Capacitance 10pF  ESR (Equivalent Series Resistance) 100 Ohm  Operating Mode Fundamental  Operating Temperature -10°C ~ 60°C  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.063" L x 0.047" W (1.60mm x 1.20mm)  Height - Seated (Max) 0.018" (0.45mm)  | Series                             | 416                                   |
| Frequency Stability ±20ppm  Frequency Tolerance ±20ppm  Load Capacitance 10pF  ESR (Equivalent Series Resistance) 100 Ohm  Operating Mode Fundamental  Operating Temperature -10°C ~ 60°C  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.063" L x 0.047" W (1.60mm x 1.20mm)  Height - Seated (Max) 0.018" (0.45mm)  | Туре                               | MHz Crystal                           |
| Frequency Tolerance ±20ppm  Load Capacitance 10pF  ESR (Equivalent Series Resistance) 100 Ohm  Operating Mode Fundamental  Operating Temperature -10°C ~ 60°C  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.063" L x 0.047" W (1.60mm x 1.20mm)  Height - Seated (Max) 0.018" (0.45mm)  | Frequency                          | 40MHz                                 |
| Load Capacitance10pFESR (Equivalent Series Resistance)100 OhmOperating ModeFundamentalOperating Temperature-10°C ~ 60°CRatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.063" L x 0.047" W (1.60mm x 1.20mm)Height - Seated (Max)0.018" (0.45mm)   | Frequency Stability                | ±20ppm                                |
| ESR (Equivalent Series Resistance) 100 Ohm  Operating Mode Fundamental  Operating Temperature $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$ Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.063" L x 0.047" W (1.60mm x 1.20mm)  Height - Seated (Max) 0.018" (0.45mm)   | Frequency Tolerance                | ±20ppm                                |
| Operating ModeFundamentalOperating Temperature $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$ Ratings-Mounting TypeSurface MountPackage / Case $4\text{-SMD}$ , No LeadSize / Dimension $0.063^{\circ}\text{L} \times 0.047^{\circ}\text{W} (1.60\text{mm} \times 1.20\text{mm})$ Height - Seated (Max) $0.018^{\circ}$ (0.45mm)  | Load Capacitance                   | 10pF                                  |
| Operating Temperature -10°C ~ 60°C  Ratings - Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.063" L x 0.047" W (1.60mm x 1.20mm)  Height - Seated (Max) 0.018" (0.45mm)  | ESR (Equivalent Series Resistance) | 100 Ohm                               |
| Ratings Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.063" L x 0.047" W (1.60mm x 1.20mm)  Height - Seated (Max) 0.018" (0.45mm)  | Operating Mode                     | Fundamental                           |
| Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.063" L x 0.047" W (1.60mm x 1.20mm)Height - Seated (Max)0.018" (0.45mm)  | Operating Temperature              | -10°C ~ 60°C                          |
| Package / Case       4-SMD, No Lead         Size / Dimension       0.063" L x 0.047" W (1.60mm x 1.20mm)         Height - Seated (Max)       0.018" (0.45mm)   | Ratings                            | -                                     |
| Size / Dimension       0.063" L x 0.047" W (1.60mm x 1.20mm)         Height - Seated (Max)       0.018" (0.45mm)   | Mounting Type                      | Surface Mount                         |
| Height - Seated (Max) $0.018" (0.45mm)$  | Package / Case                     | 4-SMD, No Lead                        |
|  | Size / Dimension                   | 0.063" L x 0.047" W (1.60mm x 1.20mm) |
| Papart arrors?   | Height - Seated (Max)              | 0.018" (0.45mm)                       |
| Report crisis:   |                                    | Report errors?                        |

#### 416F40022AAR Guarantees



### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### 416F40022AAR Payment Methods





















### 416F40022AAR Shipping Methods













If you have any question about 416F40022AAR, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com