

**416F480X2ALR Information**


For Reference Only

**Part Number** [416F480X2ALR](#)  
**Manufacturer** CTS-Frequency Controls  
**Category** Crystals, Oscillators, Resonators  
**Description** CRYSTAL 48.000 MHZ 12PF 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](mailto:salesdept@heisener.com)


[Request a Quote](#)
**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**416F480X2ALR Specifications**

Manufacturer Part Number	<a href="#">416F480X2ALR</a>
Manufacturer	CTS-Frequency Controls
Category	Crystals, Oscillators, Resonators <a href="#">Crystals</a>
Package	4-SMD, No Lead
Series	416
Type	MHz Crystal
Frequency	48MHz
Frequency Stability	±20ppm
Frequency Tolerance	±15ppm
Load Capacitance	12pF
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)

[Report errors?](#)

## 416F480X2ALR 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.

## 416F480X2ALR Payment Methods



## 416F480X2ALR Shipping Methods



If you have any question about 416F480X2ALR, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)