

**445A31E12M00000 Information**


For Reference Only

**Part Number** [445A31E12M00000](#)  
**Manufacturer** CTS-Frequency Controls  
**Category** Crystals, Oscillators, Resonators  
[Crystals](#)  
**Description** CRYSTAL 12.0000MHZ 20PF SMD  
**Package** 2-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.


**445A31E12M00000 Specifications**

Manufacturer Part Number	<a href="#">445A31E12M00000</a>
Manufacturer	CTS-Frequency Controls
Category	Crystals, Oscillators, Resonators <a href="#">Crystals</a>
Package	2-SMD, No Lead
Series	445
Type	MHz Crystal
Frequency	12MHz
Frequency Stability	±10ppm
Frequency Tolerance	±30ppm
Load Capacitance	20pF
ESR (Equivalent Series Resistance)	50 Ohm
Operating Mode	Fundamental
Operating Temperature	-10°C ~ 60°C
Ratings	-
Mounting Type	Surface Mount
Package / Case	2-SMD, No Lead
Size / Dimension	0.197" L x 0.126" W (5.00mm x 3.20mm)
Height - Seated (Max)	0.053" (1.35mm)

[Report errors?](#)

## 445A31E12M00000 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.

## 445A31E12M00000 Payment Methods



## 445A31E12M00000 Shipping Methods



If you have any question about 445A31E12M00000, please do not hesitate to contact us!

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

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