

**445W33E12M00000 Information**


For Reference Only

**Part Number** [445W33E12M00000](#)  
**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.


**445W33E12M00000 Specifications**

|                                    |   |
|------------------------------------|---|
| Manufacturer Part Number           | <a href="#">445W33E12M00000</a>                               |
| Manufacturer                       | CTS-Frequency Controls  |
| Category                           | Crystals, Oscillators, Resonators<br><a href="#">Crystals</a> |
| Package                            | 2-SMD, No Lead  |
| Series                             | 445   |
| Type                               | MHz Crystal   |
| Frequency                          | 12MHz   |
| Frequency Stability                | ±30ppm  |
| Frequency Tolerance                | ±30ppm  |
| Load Capacitance                   | 20pF  |
| ESR (Equivalent Series Resistance) | 50 Ohm  |
| Operating Mode                     | Fundamental   |
| Operating Temperature              | 0°C ~ 50°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?](#)

## 445W33E12M00000 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.

## 445W33E12M00000 Payment Methods



## 445W33E12M00000 Shipping Methods



If you have any question about 445W33E12M00000, please do not hesitate to contact us!

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

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