

**ECS-480-20-33-TR Information**


For Reference Only

**Part Number** [ECS-480-20-33-TR](#)  
**Manufacturer** ECS Inc.  
**Category** Crystals, Oscillators, Resonators  
[Crystals](#)  
**Description** CRYSTAL 48.0000MHZ 20PF SMD  
**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.


**ECS-480-20-33-TR Specifications**

Manufacturer Part Number	<a href="#">ECS-480-20-33-TR</a>
Manufacturer	ECS Inc.
Category	Crystals, Oscillators, Resonators <a href="#">Crystals</a>
Package	4-SMD, No Lead
Series	ECX-32
Type	MHz Crystal
Frequency	48MHz
Frequency Stability	±50ppm
Frequency Tolerance	±50ppm
Load Capacitance	20pF
ESR (Equivalent Series Resistance)	40 Ohm
Operating Mode	Fundamental
Operating Temperature	-20°C ~ 70°C
Ratings	-
Mounting Type	Surface Mount
Package / Case	4-SMD, No Lead
Size / Dimension	0.126" L x 0.098" W (3.20mm x 2.50mm)
Height - Seated (Max)	0.031" (0.80mm)

[Report errors?](#)

## ECS-480-20-33-TR 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.

## ECS-480-20-33-TR Payment Methods



## ECS-480-20-33-TR Shipping Methods



If you have any question about ECS-480-20-33-TR, please do not hesitate to contact us!

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

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