

**TS220F33CET Information**


For Reference Only

**Part Number** [TS220F33CET](#)  
**Manufacturer** CTS-Frequency Controls  
**Category** Crystals, Oscillators, Resonators  
[Crystals](#)  
**Description** CRYSTAL 22.000000 MHZ  
**Package** HC49/US  
 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.


**TS220F33CET Specifications**

Manufacturer Part Number	<a href="#">TS220F33CET</a>
Manufacturer	CTS-Frequency Controls
Category	Crystals, Oscillators, Resonators <a href="#">Crystals</a>
Package	HC49/US
Series	ATSSMTS
Type	MHz Crystal
Frequency	22MHz
Frequency Stability	±30ppm
Frequency Tolerance	±30ppm
Load Capacitance	20pF
ESR (Equivalent Series Resistance)	30 Ohm
Operating Mode	Fundamental
Operating Temperature	-20°C ~ 70°C
Ratings	-
Mounting Type	Surface Mount
Package / Case	HC49/US
Size / Dimension	0.437" L x 0.190" W (11.10mm x 4.83mm)
Height - Seated (Max)	0.169" (4.30mm)

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## TS220F33CET 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.

## TS220F33CET Payment Methods



## TS220F33CET Shipping Methods



If you have any question about TS220F33CET, please do not hesitate to contact us!

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

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