



### **TS220F11CDT Information**

Heisener.com

Part Number TS220F11CDT

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

For Reference Only

Website: https://www.heisener.com

E-mail: 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.









# **TS220F11CDT Specifications**

Manufacturer Part Number  Manufacturer  CTS-Frequency Controls  Crystals, Oscillators, Resonators  Crystals  Package  HC49/US  Series  ATSSMTS  Type  MHz Crystal  Frequency  Frequency Stability  Frequency Tolerance  Load Capacitance  18pF  ESR (Equivalent Series Resistance)  Operating Mode  Operating Temperature  -20°C ~ 70°C  Ratings  -  Mounting Type  Surface Mount  Package / Case  HC49/US  Size / Dimension  O 437" L x 0 190" W (11 10mm x 4 83mm)	*	
Category  Crystals  Package  HC49/US  Series  ATSSMTS  Type  MHz Crystal  Frequency  5 22MHz  Frequency Stability  Frequency Tolerance  ±10ppm  Load Capacitance  18pF  ESR (Equivalent Series Resistance)  Operating Mode  Operating Temperature  Coperating Temperature  Fundamental  Operating Type  Surface Mount  Package / Case  Crystals  ATSSMTS  MHz Crystal  #HC49/US	Manufacturer Part Number	TS220F11CDT
PackageCrystalsPackageHC49/USSeriesATSSMTSTypeMHz CrystalFrequency22MHzFrequency Stability±10ppmFrequency Tolerance±10ppmLoad Capacitance18pFESR (Equivalent Series Resistance)30 OhmOperating ModeFundamentalOperating Temperature-20°C ~ 70°CRatings-Mounting TypeSurface MountPackage / CaseHC49/US	Manufacturer	CTS-Frequency Controls
Package HC49/US  Series ATSSMTS  Type MHz Crystal  Frequency 22MHz  Frequency Stability ±10ppm  Frequency Tolerance ±10ppm  Load Capacitance 18pF  ESR (Equivalent Series Resistance) 30 Ohm  Operating Mode Fundamental  Operating Temperature -20°C ~ 70°C  Ratings -  Mounting Type Surface Mount  Package / Case HC49/US	Category	Crystals, Oscillators, Resonators
Series ATSSMTS  Type MHz Crystal  Frequency 22MHz  Frequency Stability ±10ppm  Frequency Tolerance ±10ppm  Load Capacitance 18pF  ESR (Equivalent Series Resistance) 30 Ohm  Operating Mode Fundamental  Operating Temperature -20°C ~70°C  Ratings -  Mounting Type Surface Mount  Package / Case HC49/US		Crystals
Type MHz Crystal Frequency 22MHz Frequency Stability ±10ppm Frequency Tolerance ±10ppm  Load Capacitance 18pF  ESR (Equivalent Series Resistance) 30 Ohm Operating Mode Fundamental Operating Temperature -20°C ~ 70°C  Ratings - Mounting Type Surface Mount Package / Case HC49/US	Package	HC49/US
Frequency Stability ±10ppm  Frequency Tolerance ±10ppm  Load Capacitance 18pF  ESR (Equivalent Series Resistance) 30 Ohm  Operating Mode Fundamental  Operating Temperature -20°C ~ 70°C  Ratings -  Mounting Type Surface Mount  Package / Case HC49/US	Series	ATSSMTS
Frequency Stability ±10ppm  Frequency Tolerance ±10ppm  Load Capacitance 18pF  ESR (Equivalent Series Resistance) 30 Ohm  Operating Mode Fundamental  Operating Temperature -20°C ~ 70°C  Ratings -  Mounting Type Surface Mount  Package / Case HC49/US	Туре	MHz Crystal
Frequency Tolerance ±10ppm  Load Capacitance 18pF  ESR (Equivalent Series Resistance) 30 Ohm  Operating Mode Fundamental  Operating Temperature -20°C ~ 70°C  Ratings -  Mounting Type Surface Mount  Package / Case HC49/US	Frequency	22MHz
Load Capacitance 18pF  ESR (Equivalent Series Resistance) 30 Ohm  Operating Mode Fundamental  Operating Temperature -20°C ~ 70°C  Ratings -  Mounting Type Surface Mount  Package / Case HC49/US	Frequency Stability	±10ppm
ESR (Equivalent Series Resistance)  Operating Mode  Fundamental  Operating Temperature  -20°C ~ 70°C  Ratings  - Mounting Type  Surface Mount  Package / Case  HC49/US	Frequency Tolerance	±10ppm
Operating Mode  Operating Temperature  -20°C ~ 70°C  Ratings  - Mounting Type  Surface Mount  Package / Case  HC49/US	Load Capacitance	18pF
Operating Temperature -20°C ~ 70°C  Ratings -  Mounting Type Surface Mount  Package / Case HC49/US	ESR (Equivalent Series Resistance)	30 Ohm
Ratings - Mounting Type Surface Mount Package / Case HC49/US	Operating Mode	Fundamental
Mounting Type Surface Mount Package / Case HC49/US	Operating Temperature	-20°C ~ 70°C
Package / Case HC49/US	Ratings	-
•	Mounting Type	Surface Mount
Size / Dimension 0.437" L.v. 0.190" W. (11.10mm v. 4.83mm)	Package / Case	HC49/US
512E / Dimension W (11.10mm x 4.05mm)	Size / Dimension	0.437" L x 0.190" W (11.10mm x 4.83mm)
Height - Seated (Max) 0.169" (4.30mm)	Height - Seated (Max)	0.169" (4.30mm)
Report errors?		Report errors?

### **TS220F11CDT 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.

# **TS220F11CDT Payment Methods**



















### **TS220F11CDT Shipping Methods**













If you have any question about TS220F11CDT, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com