

# 445C32A20M00000

#### 445C32A20M00000 Information

WWW.helsener.com	Part Number Manufacturer Category Description Package	445C32A20M00000 CTS-Frequency Controls Crystals, Oscillators, Resonators Crystals CRYSTAL 20.0000MHZ 10PF SMD 2-SMD, No Lead For the pricing/inventory/lead time, please contact	
For Reference Only		us 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.



## 445C32A20M00000 Specifications

Manufacturer Part Number	445C32A20M00000
Manufacturer	CTS-Frequency Controls
Category	Crystals, Oscillators, Resonators
	Crystals
Package	2-SMD, No Lead
Series	445
Туре	MHz Crystal
Frequency	20MHz
Frequency Stability	±20ppm
Frequency Tolerance	±30ppm
Load Capacitance	10pF
ESR (Equivalent Series Resistance)	40 Ohm
Operating Mode	Fundamental
Operating Temperature	$-20^{\circ}\mathrm{C} \sim 70^{\circ}\mathrm{C}$
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 <sup>6</sup>

#### 445C32A20M00000 Guarantees



**Quality Guarantees** 

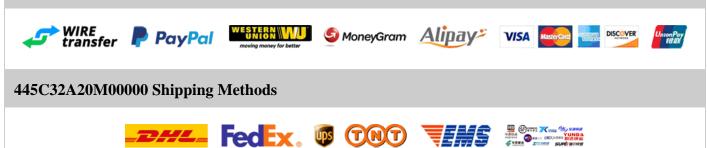
We provide 90 days warranty. \* If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.

# SERVICE BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### 445C32A20M00000 Payment Methods



If you have any question about 445C32A20M00000, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com