



### **HCT7000MTX Information**

Heisener.com

Part Number HCT7000MTX

Manufacturer TT Electronics/Optek Technology

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 60V 200MA SMD

Package 3-SMD, No Lead

For the pricing/inventory/lead time, please contact

us

For Reference Only

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



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# **Certified Quality**

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# **HCT7000MTX Specifications**

Manufacturer Part Number  Manufacturer  TT Electronics/Optek Technology  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  Package  3-SMD, No Lead  Series  - FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  HCT7000MTX  TT Electronics/Optek Technology  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  3-SMD, No Lead  60V  PCUrrent - Continuous Drain (Id) @ 25°C  200mA (Ta)  10V  Vgs(th) (Max) @ Id  3V @ 1mA		
Category  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  3-SMD, No Lead  Series  - FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  3-SMD, No Lead  60V  2-Undant  10V  20mA (Ta)  10V  20mA (Ta)  10V  40 ImA  60F @ 25V  40V  40V	Manufacturer Part Number	HCT7000MTX
Transistors - FETs, MOSFETs - Single  3-SMD, No Lead  Series  - FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  Transistors - FETs, MOSFETs - Single  3-SMD, No Lead  -  10V  N-Channel  10V  200mA (Ta)  10V  10V  40V  10V  50PF @ 25V  40V	Manufacturer	TT Electronics/Optek Technology
Package 3-SMD, No Lead  Series -  FET Type N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 60V  Current - Continuous Drain (Id) @ 25°C 200mA (Ta)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 3V @ 1mA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max) ±40V	Category	Discrete Semiconductor Products
Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         60V           Current - Continuous Drain (Id) @ 25°C         200mA (Ta)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         3V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         -           Input Capacitance (Ciss) (Max) @ Vds         60pF @ 25V           Vgs (Max)         ±40V		Transistors - FETs, MOSFETs - Single
FET Type  Technology  MOSFET (Metal Oxide)  60V  Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  N-Channel  N-Channel  NOSFET (Metal Oxide)  60V  200mA (Ta)  10V  3V @ 1mA  64	Package	3-SMD, No Lead
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  200mA (Ta)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  MOSFET (Metal Oxide)  60V  200mA (Ta)  10V  3V @ 1mA  6de Charge (Qg) (Max) @ Vgs	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  200mA (Ta)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C       200mA (Ta)         Drive Voltage (Max Rds On, Min Rds On)       10V         Vgs(th) (Max) @ Id       3V @ 1mA         Gate Charge (Qg) (Max) @ Vgs       -         Input Capacitance (Ciss) (Max) @ Vds       60pF @ 25V         Vgs (Max)       ±40V	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         3V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         -           Input Capacitance (Ciss) (Max) @ Vds         60pF @ 25V           Vgs (Max)         ±40V	Drain to Source Voltage (Vdss)	60V
Vgs(th) (Max) @ Id       3V @ 1mA         Gate Charge (Qg) (Max) @ Vgs       -         Input Capacitance (Ciss) (Max) @ Vds       60pF @ 25V         Vgs (Max)       ±40V	Current - Continuous Drain (Id) @ 25°C	200mA (Ta)
Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 60pF @ 25V Vgs (Max) ±40V	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 60pF @ 25V Vgs (Max) ±40V	Vgs(th) (Max) @ Id	3V @ 1mA
Vgs (Max) ±40V	Gate Charge (Qg) (Max) @ Vgs	-
	Input Capacitance (Ciss) (Max) @ Vds	60pF @ 25V
FET Feature -	Vgs (Max)	±40V
	FET Feature	-
Power Dissipation (Max) 300mW (Ta)	Power Dissipation (Max)	300mW (Ta)
Rds On (Max) @ Id, Vgs 5 Ohm @ 500mA, 10V	Rds On (Max) @ Id, Vgs	5 Ohm @ 500mA, 10V
Operating Temperature $-55^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$	Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type Surface Mount	Mounting Type	Surface Mount
Supplier Device Package 3-SMD	Supplier Device Package	3-SMD
Package / Case 3-SMD, No Lead	Package / Case	3-SMD, No Lead
Report errors?		Report errors?

### **HCT7000MTX 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.

# **HCT7000MTX Payment Methods**



















### **HCT7000MTX Shipping Methods**













If you have any question about HCT7000MTX, please do not hesitate to contact us!

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