



### TSM15N50CI C0G Information

Heisener.com

Part Number TSM15N50CI COG Manufacturer TSC America Inc.

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET, SINGLE, N-CHANNEL, PLANA

Package TO-220-3 Full Pack, Isolated Tab

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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## **TSM15N50CI C0G Specifications**

Manufacturer Part Number         TSM15N50CI COG           Manufacturer         TSC America Inc.           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-220-3 Full Pack, Isolated Tab           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         500V           Current - Continuous Drain (Id) @ 25°C         14A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         39nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2263pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         -           Rds On (Max) @ Id, Vgs         440 mOhm @ 7A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         ITO-220           Package / Case         TO-220-3 Full Pack, Isolated Tab		
Category  Discrete Semiconductor Products  Transistors - FETs, MOSFETs - Single  Package  TO-220-3 Full Pack, Isolated Tab  Series  - FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Tourent - Continuous Drain (Id) @ 25°C  14A (Tc)  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  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Ado (Max) @ Id, Vgs  Hould Max (Max) @ Id, Vgs  Poperating Temperature  Mounting Type  Supplier Device Package  Package / Case  TO-220-3 Full Pack, Isolated Tab	Manufacturer Part Number	TSM15N50CI C0G
Package         TO-220-3 Full Pack, Isolated Tab           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         500V           Current - Continuous Drain (Id) @ 25°C         14A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         39nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2263pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         -           Rds On (Max) @ Id, Vgs         440 mOhm @ 7A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         ITO-220           Package / Case         TO-220-3 Full Pack, Isolated Tab	Manufacturer	TSC America Inc.
Package         TO-220-3 Full Pack, Isolated Tab           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         500V           Current - Continuous Drain (Id) @ 25°C         14A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         39nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         2263pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         440 mOhm @ 7A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         ITO-220           Package / Case         TO-220-3 Full Pack, Isolated Tab	Category	Discrete Semiconductor Products
Series - N-Channel  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 500V  Current - Continuous Drain (Id) @ 25°C 14A (Tc)  Drive Voltage (Max Rds On, Min Rds On) 10V  Vgs(th) (Max) @ Id 4V @ 250µA  Gate Charge (Qg) (Max) @ Vgs 39nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 2263pF @ 25V  Vgs (Max) ±30V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs 440 mOhm @ 7A, 10V  Operating Temperature 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package 1TO-220  Package / Case 1TO-220  Pack		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 14A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 39nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2263pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 440 mOhm @ 7A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package 1TO-220 Package / Case Toutinuous Drain (Id) @ 25°C (11) MOSFET (Metal Oxide) MOSFET (Metal Oxide)  10V  44A (Tc)  10V  250µA  450 (10V  2263pF @ 25V  430V  440 mOhm @ 7A, 10V  150°C (TJ)  Through Hole	Package	TO-220-3 Full Pack, Isolated Tab
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C14A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs39nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2263pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)-Rds On (Max) @ Id, Vgs440 mOhm @ 7A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageITO-220Package / CaseTO-220-3 Full Pack, Isolated Tab	Series	-
Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C14A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs39nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2263pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)-Rds On (Max) @ Id, Vgs440 mOhm @ 7A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageITO-220Package / CaseTO-220-3 Full Pack, Isolated Tab	FET Type	N-Channel
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Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs39nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2263pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)-Rds On (Max) @ Id, Vgs440 mOhm @ 7A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageITO-220Package / CaseTO-220-3 Full Pack, Isolated Tab	Drain to Source Voltage (Vdss)	500V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Add mOhm @ 7A, 10V  Operating Temperature  Supplier Device Package  Package / Case  4V @ 250μA  4V @ 250μA  39nC @ 10V  2263pF @ 25V	Current - Continuous Drain (Id) @ 25°C	14A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  2263pF @ 25V  Vgs (Max)  ±30V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  440 mOhm @ 7A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  ITO-220  Package / Case  TO-220-3 Full Pack, Isolated Tab	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  2263pF @ 25V  Vgs (Max)  ET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  440 mOhm @ 7A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  ITO-220  Package / Case  TO-220-3 Full Pack, Isolated Tab	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max) ±30V  FET Feature -  Power Dissipation (Max) -  Rds On (Max) @ Id, Vgs 440 mOhm @ 7A, 10V  Operating Temperature 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package ITO-220  Package / Case TO-220-3 Full Pack, Isolated Tab	Gate Charge (Qg) (Max) @ Vgs	39nC @ 10V
FET Feature	Input Capacitance (Ciss) (Max) @ Vds	2263pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  440 mOhm @ 7A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  ITO-220  Package / Case  TO-220-3 Full Pack, Isolated Tab	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs440 mOhm @ 7A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageITO-220Package / CaseTO-220-3 Full Pack, Isolated Tab	FET Feature	-
Operating Temperature 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package ITO-220  Package / Case TO-220-3 Full Pack, Isolated Tab	Power Dissipation (Max)	-
Mounting Type Through Hole Supplier Device Package ITO-220 Package / Case TO-220-3 Full Pack, Isolated Tab	Rds On (Max) @ Id, Vgs	440 mOhm @ 7A, 10V
Supplier Device Package ITO-220 Package / Case TO-220-3 Full Pack, Isolated Tab	Operating Temperature	150°C (TJ)
Package / Case TO-220-3 Full Pack, Isolated Tab	Mounting Type	Through Hole
	Supplier Device Package	ITO-220
Report errors?	Package / Case	TO-220-3 Full Pack, Isolated Tab
		Report errors?

#### TSM15N50CI C0G 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.

## TSM15N50CI C0G Payment Methods



















### TSM15N50CI C0G Shipping Methods













If you have any question about TSM15N50CI COG, please do not hesitate to contact us!

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