



# TPC8026(TE12L,Q,M) Information



For Reference Only

Part Number TPC8026(TE12L,Q,M)

Manufacturer Toshiba Semiconductor and Storage

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description**MOSFET N-CH 30V 13A 8-SOIC**Package**8-SOIC (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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



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## TPC8026(TE12L,Q,M) Specifications

Manufacturer Part Number         TPC8026(TE12L,Q,M)           Manufacturer         Toshiba Semiconductor and Storage           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         8-SOIC (0.173", 4.40mm Width)           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         13A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         42nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1800pF @ 10V           Vgs (Max)         2.9V           FET Feature         -           Power Dissipation (Max)         1W (Ta)           Rds On (Max) @ Id, Vgs         6.6 mOhm @ 6.5A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-SOP (5.5x6.0)           Package / Case         8-SOIC (0.173", 4.40mm Width)		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 8-SOIC (0.173", 4.40mm Width) Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Ourrent - Continuous Drain (Id) @ 25°C 13A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 12.5V @ ImA Gate Charge (Qg) (Max) @ Vds 1800pF @ 10V Vgs (Max) Vgs (Max) 1800pF @ 10V Vgs (Max) 1W (Ta) Rds On (Max) @ Id, Vgs 1W (Ta) Rds On (Max) @ Id, Vgs 1Surface Mount Supplier Device Package Package / Case 8-SOIC (0.173", 4.40mm Width)	Manufacturer Part Number	TPC8026(TE12L,Q,M)
Package         8-SOIC (0.173", 4.40mm Width)           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         13A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         42nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1800pF @ 10V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         1W (Ta)           Rds On (Max) @ Id, Vgs         6.6 mOhm @ 6.5A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-SOP (5.5x6.0)           Package / Case         8-SOIC (0.173", 4.40mm Width)	Manufacturer	Toshiba Semiconductor and Storage
Package         8-SOIC (0.173", 4.40mm Width)           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         30V           Current - Continuous Drain (Id) @ 25°C         13A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         42nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1800pF @ 10V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         1W (Ta)           Rds On (Max) @ Id, Vgs         6.6 mOhm @ 6.5A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         8-SOP (5.5x6.0)           Package / Case         8-SOIC (0.173", 4.40mm Width)	Category	Discrete Semiconductor Products
Series - M-Channel FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 13A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 42nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1800pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1W (Ta) Rds On (Max) @ Id, Vgs 6.6 mOhm @ 6.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOP (5.5x6.0) Package / Case 8-SOIC (0.173", 4.40mm Width)		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 13A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 42nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1800pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1W (Ta) Rds On (Max) @ Id, Vgs 6.6 mOhm @ 6.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOP (5.5x6.0) Package / Case 8-SOIC (0.173", 4.40mm Width)	Package	8-SOIC (0.173", 4.40mm Width)
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  13A (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)  **EUV**  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  MOSFET (Metal Oxide)  30V  MOSFET (Metal Oxide)  30V  13A (Ta)  150 V  150 C (TJ)	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  13A (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 Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  30V  13A (Ta)  14A (Ta)  15A	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Cate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  6.6 mOhm @ 6.5A, 10V  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  13A (Ta)  145 (Ta)  150 C (TJ)  150 C (TJ)  Surface Mount  8-SOP (5.5x6.0)  8-SOIC (0.173", 4.40mm Width)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Cate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  4.5V, 10V  4.5V, 10V  4.5V, 10V  4.5V, 10V  4.5V, 10V  6.6 InDA  4.5V, 10V  6.6 InDA  6.6 InDA  6.5 A, 10V  6.6 InDA  6.5 A, 10V  6.6 InDA  6.6 InDA  6.7 (TJ)  8-SOP (5.5x6.0)  8-SOP (5.5x6.0)  8-SOP (5.5x6.0)	Drain to Source Voltage (Vdss)	30V
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  Operating Temperature  Iso°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  Posses (Max)  2.5V @ 1mA  42nC @ 10V  1800pF @ 10V  1800pF @ 10V  1800pF @ 10V  1800pF @ 10V  6.6 mOhm @ 6.5A, 10V  5.5x6.0)  8-SOP (5.5x6.0)  8-SOP (5.5x6.0)	Current - Continuous Drain (Id) @ 25°C	13A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  1800pF @ 10V  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  6.6 mOhm @ 6.5A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-SOP (5.5x6.0)  Package / Case  8-SOIC (0.173", 4.40mm Width)	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds  1800pF @ 10V  Vgs (Max)  E20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  6.6 mOhm @ 6.5A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-SOP (5.5x6.0)  Package / Case  8-SOIC (0.173", 4.40mm Width)	Vgs(th) (Max) @ Id	2.5V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)1W (Ta)Rds On (Max) @ Id, Vgs6.6 mOhm @ 6.5A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOP (5.5x6.0)Package / Case8-SOIC (0.173", 4.40mm Width)	Gate Charge (Qg) (Max) @ Vgs	42nC @ 10V
FET Feature - Power Dissipation (Max) 1W (Ta) Rds On (Max) @ Id, Vgs 6.6 mOhm @ 6.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOP (5.5x6.0) Package / Case 8-SOIC (0.173", 4.40mm Width)	Input Capacitance (Ciss) (Max) @ Vds	1800pF @ 10V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  6.6 mOhm @ 6.5A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  8-SOP (5.5x6.0)  Package / Case  8-SOIC (0.173", 4.40mm Width)	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs6.6 mOhm @ 6.5A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOP (5.5x6.0)Package / Case8-SOIC (0.173", 4.40mm Width)	FET Feature	-
Operating Temperature 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package 8-SOP (5.5x6.0)  Package / Case 8-SOIC (0.173", 4.40mm Width)	Power Dissipation (Max)	1W (Ta)
Mounting Type Surface Mount Supplier Device Package 8-SOP (5.5x6.0) Package / Case 8-SOIC (0.173", 4.40mm Width)	Rds On (Max) @ Id, Vgs	6.6 mOhm @ 6.5A, 10V
Supplier Device Package 8-SOP (5.5x6.0) Package / Case 8-SOIC (0.173", 4.40mm Width)	Operating Temperature	150°C (TJ)
Package / Case 8-SOIC (0.173", 4.40mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	8-SOP (5.5x6.0)
Report errors?	Package / Case	8-SOIC (0.173", 4.40mm Width)
		Report errors?

## TPC8026(TE12L,Q,M) 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.

## TPC8026(TE12L,Q,M) Payment Methods



















## TPC8026(TE12L,Q,M) Shipping Methods













If you have any question about TPC8026(TE12L,Q,M), please do not hesitate to contact us!

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