

# TPC8033-H(TE12LQM) Information



For Reference Only

Part Number TPC8033-H(TE12LQM)

ManufacturerToshiba Semiconductor and StorageCategoryDiscrete Semiconductor Products<br/>Transistors - FETs, MOSFETs - SingleDescriptionMOSFET N-CH 30V 17A SOP8 2-6J1B

**Package** 8-SOIC (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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## TPC8033-H(TE12LQM) Specifications

Manufacturer Part Number         TPC8033-H(TE12LQM)           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         17A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         -           Vgs(th) (Max) @ Id         2.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         42nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         3713pF @ 10V           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         -           Rds On (Max) @ Id, Vgs         5.3 mOhm @ 8.5A, 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 17A (Ta) Drive Voltage (Max Rds On, Min Rds On) - Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 42nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3713pF @ 10V Vgs (Max) - FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.3 mOhm @ 8.5A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case  B-SOIC (0.173", 4.40mm Width)	Manufacturer Part Number	TPC8033-H(TE12LQM)
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         17A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         -           Vgs(th) (Max) @ Id         2.5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         42nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         3713pF @ 10V           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         -           Rds On (Max) @ Id, Vgs         5.3 mOhm @ 8.5A, 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
Package8-SOIC (0.173", 4.40mm Width)Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C17A (Ta)Drive Voltage (Max Rds On, Min Rds On)-Vgs(th) (Max) @ Id2.5V @ 1mAGate Charge (Qg) (Max) @ Vgs42nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3713pF @ 10VVgs (Max)-FET Feature-Power Dissipation (Max)-Rds On (Max) @ Id, Vgs5.3 mOhm @ 8.5A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-SOP (5.5x6.0)Package / Case8-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) 30V Current - Continuous Drain (Id) @ 25°C 17A (Ta) Drive Voltage (Max Rds On, Min Rds On) - Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 42nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3713pF @ 10V Vgs (Max) - FET Feature - Power Dissipation (Max) - Rds On (Max) @ Id, Vgs 5.3 mOhm @ 8.5A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-SOP (5.5x6.0) Package / Case 10V		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 17A (Ta) Drive Voltage (Max Rds On, Min Rds On) - Vgs(th) (Max) @ Id 2.5V @ 1mA Gate Charge (Qg) (Max) @ Vgs 42nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3713pF @ 10V Vgs (Max) - FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.3 mOhm @ 8.5A, 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  17A (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  MOSFET (Metal Oxide)  30V  MOSFET (Metal Oxide)  30V  17A (Ta)  1	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  17A (Ta)  17A (Ta)  Prive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Cate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  Vgs (Max)  - FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  30V  17A (Ta)  1	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 17A (Ta)  Drive Voltage (Max Rds On, Min Rds On) -  Vgs(th) (Max) @ Id 2.5V @ 1mA  Gate Charge (Qg) (Max) @ Vgs 42nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 3713pF @ 10V  Vgs (Max) -  FET Feature -  Power Dissipation (Max) -  Rds On (Max) @ Id, Vgs 5.3 mOhm @ 8.5A, 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)	Technology	MOSFET (Metal Oxide)
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  Standard Temperature  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  Posses (Standard Standard Stan	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  150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  8-SOIC (0.173", 4.40mm Width)	Current - Continuous Drain (Id) @ 25°C	17A (Ta)
Gate Charge (Qg) (Max) @ Vgs 42nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3713pF @ 10V  Vgs (Max) -  FET Feature -  Power Dissipation (Max) -  Rds On (Max) @ Id, Vgs 5.3 mOhm @ 8.5A, 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)	-
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  - FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  5.3 mOhm @ 8.5A, 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) - FET Feature - Power Dissipation (Max) - Rds On (Max) @ Id, Vgs 5.3 mOhm @ 8.5A, 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)	Gate Charge (Qg) (Max) @ Vgs	42nC @ 10V
FET Feature - Power Dissipation (Max) - Rds On (Max) @ Id, Vgs 5.3 mOhm @ 8.5A, 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	3713pF @ 10V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  5.3 mOhm @ 8.5A, 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)	-
Rds On (Max) @ Id, Vgs5.3 mOhm @ 8.5A, 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)	-
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	5.3 mOhm @ 8.5A, 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?

### TPC8033-H(TE12LQM) 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.

### TPC8033-H(TE12LQM) Payment Methods

































If you have any question about TPC8033-H(TE12LQM), please do not hesitate to contact us!

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