

**TPCA8102(TE12L,Q,M Information**


For Reference Only

**Part Number** [TPCA8102\(TE12L,Q,M](#)  
**Manufacturer** Toshiba Semiconductor and Storage  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** MOSFET P-CH 30V 40A SOP-8 ADV  
**Package** 8-PowerVDFN  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto: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.


**TPCA8102(TE12L,Q,M Specifications**

Manufacturer Part Number	<a href="#">TPCA8102(TE12L,Q,M</a>
Manufacturer	Toshiba Semiconductor and Storage
Category	Discrete Semiconductor Products <a href="#">Transistors - FETs, MOSFETs - Single</a>
Package	8-PowerVDFN
Series	-
FET Type	P-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	30V
Current - Continuous Drain (Id) @ 25°C	40A (Ta)
Drive Voltage (Max Rds On, Min Rds On)	4V, 10V
Vgs(th) (Max) @ Id	2V @ 1mA
Gate Charge (Qg) (Max) @ Vgs	109nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	4600pF @ 10V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	1.6W (Ta), 45W (Tc)
Rds On (Max) @ Id, Vgs	6 mOhm @ 20A, 10V
Operating Temperature	150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	8-SOP Advance (5x5)
Package / Case	8-PowerVDFN

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## TPCA8102(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.

## TPCA8102(TE12L,Q,M Payment Methods



## TPCA8102(TE12L,Q,M Shipping Methods



If you have any question about TPCA8102(TE12L,Q,M, please do not hesitate to contact us!

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