

**TMC1420-LA Information**


For Reference Only

**Part Number** [TMC1420-LA](#)  
**Manufacturer** Trinamic Motion Control GmbH  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Arrays](#)  
**Description** MOSFET N/P-CH 40V 8PQFN  
**Package** 8-PowerTDFN  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


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**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.


**TMC1420-LA Specifications**

Manufacturer Part Number	<a href="#">TMC1420-LA</a>
Manufacturer	Trinamic Motion Control GmbH
Category	Discrete Semiconductor Products <a href="#">Transistors - FETs, MOSFETs - Arrays</a>
Package	8-PowerTDFN
Series	-
FET Type	N and P-Channel
FET Feature	Standard
Drain to Source Voltage (V <sub>ds</sub> )	40V
Current - Continuous Drain (I <sub>d</sub> ) @ 25°C	8.8A, 7.3A
R <sub>ds</sub> On (Max) @ I <sub>d</sub> , V <sub>gs</sub>	26.5 mOhm @ 7A, 10V
V <sub>gs</sub> (th) (Max) @ I <sub>d</sub>	3V @ 250μA
Gate Charge (Q <sub>g</sub> ) (Max) @ V <sub>gs</sub>	11.2nC @ 4.5V
Input Capacitance (C <sub>iss</sub> ) (Max) @ V <sub>ds</sub>	1050pF @ 15V
Power - Max	3.57W
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Package / Case	8-PowerTDFN
Supplier Device Package	PQFN (5x6)

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## TMC1420-LA 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.

## TMC1420-LA Payment Methods



## TMC1420-LA Shipping Methods



If you have any question about TMC1420-LA, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)