

**TC4451VMF713 Information**


For Reference Only

**Part Number** [TC4451VMF713](#)  
**Manufacturer** Microchip Technology  
**Category** Integrated Circuits (ICs)  
[PMIC - Gate Drivers](#)  
**Description** IC MOSFET DVR 12A HS 8DFN  
**Package** 8-VDFN Exposed Pad  
 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.


**TC4451VMF713 Specifications**

|                                      |                                                                  |
|--------------------------------------|------------------------------------------------------------------|
| Manufacturer Part Number             | <a href="#">TC4451VMF713</a>                                     |
| Manufacturer                         | Microchip Technology                                             |
| Category                             | Integrated Circuits (ICs)<br><a href="#">PMIC - Gate Drivers</a> |
| Package                              | 8-VDFN Exposed Pad                                               |
| Series                               | -                                                                |
| Driven Configuration                 | Low-Side                                                         |
| Channel Type                         | Single                                                           |
| Number of Drivers                    | 1                                                                |
| Gate Type                            | IGBT, N-Channel, P-Channel MOSFET                                |
| Voltage - Supply                     | 4.5 V ~ 18 V                                                     |
| Logic Voltage - VIL, VIH             | 0.8V, 2.4V                                                       |
| Current - Peak Output (Source, Sink) | 13A, 13A                                                         |
| Input Type                           | Inverting                                                        |
| High Side Voltage - Max (Bootstrap)  | -                                                                |
| Rise / Fall Time (Typ)               | 30ns, 32ns                                                       |
| Operating Temperature                | -40°C ~ 150°C (TJ)                                               |
| Mounting Type                        | Surface Mount                                                    |
| Package / Case                       | 8-VDFN Exposed Pad                                               |
| Supplier Device Package              | 8-DFN-S (6x5)                                                    |

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## TC4451VMF713 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.

## TC4451VMF713 Payment Methods



## TC4451VMF713 Shipping Methods



If you have any question about TC4451VMF713, please do not hesitate to contact us!

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

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