

**CSD23381F4 Information**


For Reference Only

**Part Number** CSD23381F4  
**Manufacturer** Texas Instruments  
**Category** Discrete Semiconductor Products  
 Transistors - FETs, MOSFETs - Single  
**Description** MOSFET P-CH 12V 3PICOSTAR  
**Package** 3-XDFN  
 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.


**CSD23381F4 Specifications**

Manufacturer Part Number	CSD23381F4
Manufacturer	Texas Instruments
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	3-XDFN
Series	NexFET?
FET Type	P-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (V <sub>dss</sub> )	12V
Current - Continuous Drain (I <sub>d</sub> ) @ 25°C	2.3A (T <sub>a</sub> )
Drive Voltage (Max R <sub>ds On</sub> , Min R <sub>ds On</sub> )	1.8V, 4.5V
V <sub>gs(th)</sub> (Max) @ I <sub>d</sub>	1.2V @ 250μA
Gate Charge (Q <sub>g</sub> ) (Max) @ V <sub>gs</sub>	1.14nC @ 4.5V
Input Capacitance (C <sub>iss</sub> ) (Max) @ V <sub>ds</sub>	236pF @ 6V
V <sub>gs</sub> (Max)	-8V
FET Feature	-
Power Dissipation (Max)	500mW (T <sub>a</sub> )
R <sub>ds On</sub> (Max) @ I <sub>d</sub> , V <sub>gs</sub>	175 mOhm @ 500mA, 4.5V
Operating Temperature	-55°C ~ 150°C (T <sub>J</sub> )
Mounting Type	Surface Mount
Supplier Device Package	3-PICOSTAR
Package / Case	3-XDFN

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## CSD23381F4 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.

## CSD23381F4 Payment Methods



## CSD23381F4 Shipping Methods



If you have any question about CSD23381F4, please do not hesitate to contact us!

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

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