

**FDMC610P Information**


For Reference Only

**Part Number** [FDMC610P](#)  
**Manufacturer** Fairchild/ON Semiconductor  
**Category** Discrete Semiconductor Products  
[Transistors - FETs, MOSFETs - Single](#)  
**Description** MOSFET P-CH 12V 80A POWER33  
**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)


[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.


**FDMC610P Specifications**

Manufacturer Part Number	<a href="#">FDMC610P</a>
Manufacturer	Fairchild/ON Semiconductor
Category	Discrete Semiconductor Products <a href="#">Transistors - FETs, MOSFETs - Single</a>
Package	8-PowerTDFN
Series	PowerTrench?
FET Type	P-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (V <sub>ds</sub> )	12V
Current - Continuous Drain (I <sub>d</sub> ) @ 25°C	80A (T <sub>c</sub> )
Drive Voltage (Max R <sub>ds</sub> On, Min R <sub>ds</sub> On)	2.5V, 4.5V
V <sub>gs</sub> (th) (Max) @ I <sub>d</sub>	1V @ 250μA
Gate Charge (Q <sub>g</sub> ) (Max) @ V <sub>gs</sub>	99nC @ 4.5V
Input Capacitance (C <sub>iss</sub> ) (Max) @ V <sub>ds</sub>	1250pF @ 6V
V <sub>gs</sub> (Max)	±8V
FET Feature	-
Power Dissipation (Max)	2.4W (T <sub>a</sub> ), 48W (T <sub>c</sub> )
R <sub>ds</sub> On (Max) @ I <sub>d</sub> , V <sub>gs</sub>	3.9 mOhm @ 22A, 4.5V
Operating Temperature	-55°C ~ 150°C (T <sub>J</sub> )
Mounting Type	Surface Mount
Supplier Device Package	Power33
Package / Case	8-PowerTDFN

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## FDMC610P 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.

## FDMC610P Payment Methods



## FDMC610P Shipping Methods



If you have any question about FDMC610P, please do not hesitate to contact us!

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

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