

**IPW65R420CFDFKSA1 Information**


For Reference Only

**Part Number** IPW65R420CFDFKSA1  
**Manufacturer** Infineon Technologies  
**Category** Discrete Semiconductor Products  
     Transistors - FETs, MOSFETs - Single  
**Description** MOSFET N-CH 650V 8.7A TO247  
**Package** TO-247-3  
 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.


**IPW65R420CFDFKSA1 Specifications**

Manufacturer Part Number	IPW65R420CFDFKSA1
Manufacturer	Infineon Technologies
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	TO-247-3
Series	CoolMOS?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (V <sub>dss</sub> )	650V
Current - Continuous Drain (I <sub>d</sub> ) @ 25°C	8.7A (T <sub>c</sub> )
Drive Voltage (Max R <sub>ds On</sub> , Min R <sub>ds On</sub> )	10V
V <sub>gs(th)</sub> (Max) @ I <sub>d</sub>	4.5V @ 340μA
Gate Charge (Q <sub>g</sub> ) (Max) @ V <sub>gs</sub>	32nC @ 10V
Input Capacitance (C <sub>iss</sub> ) (Max) @ V <sub>ds</sub>	870pF @ 100V
V <sub>gs</sub> (Max)	±20V
FET Feature	-
Power Dissipation (Max)	83.3W (T <sub>c</sub> )
R <sub>ds On</sub> (Max) @ I <sub>d</sub> , V <sub>gs</sub>	420 mOhm @ 3.4A, 10V
Operating Temperature	-55°C ~ 150°C (T <sub>J</sub> )
Mounting Type	Through Hole
Supplier Device Package	PG-TO247-3
Package / Case	TO-247-3

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## IPW65R420CFDFKSA1 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.

## IPW65R420CFDFKSA1 Payment Methods



## IPW65R420CFDFKSA1 Shipping Methods



If you have any question about IPW65R420CFDFKSA1, please do not hesitate to contact us!

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