

# IPP60R250CPXKSA1

#### IPP60R250CPXKSA1 Information



For Reference Only

Part Number IPP60R250CPXKSA1
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 650V 12A TO-220

Package TO-220-3

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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## IPP60R250CPXKSA1 Specifications

Manufacturer Part NumberIPP60R250CPXKSA1ManufacturerInfineon TechnologiesCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-220-3SeriesCoolMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)650VCurrent - Continuous Drain (Id) @ 25°C12A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3.5V @ 440μAGate Charge (Qg) (Max) @ Vgs35nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1200pF @ 100VVgs (Max)±20VFET Feature-Power Dissipation (Max)104W (Tc)Rds On (Max) @ Id, Vgs250 mOhm @ 7.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePG-TO-220-3Package / CaseTO-220-3Report errors?		
Category         Discrete Semiconductor Products           Package         TO-220-3           Series         CoolMOS?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         650V           Current - Continuous Drain (Id) @ 25°C         12A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         3.5V @ 440µA           Gate Charge (Qg) (Max) @ Vgs         35nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1200pF @ 100V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         104W (Tc)           Rds On (Max) @ Id, Vgs         250 mOhm @ 7.8A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         PG-TO-220-3           Package / Case         TO-220-3	Manufacturer Part Number	IPP60R250CPXKSA1
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)650VCurrent - Continuous Drain (Id) @ 25°C12A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id3.5V @ 440μAGate Charge (Qg) (Max) @ Vgs35nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1200pF @ 100VVgs (Max)±20VFET Feature-Power Dissipation (Max)104W (Tc)Rds On (Max) @ Id, Vgs250 mOhm @ 7.8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePG-TO-220-3Package / CaseTO-220-3	Series	CoolMOS?
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Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  3.5V @ 440μA  Gate Charge (Qg) (Max) @ Vgs  1200pF @ 100V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  250 mOhm @ 7.8A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  PG-TO-220-3  Package / Case  TO-220-3	Drain to Source Voltage (Vdss)	650V
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Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  1200pF @ 100V  Vgs (Max)  ±20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  250 mOhm @ 7.8A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  PG-TO-220-3  Package / Case  35nC @ 10V  1200pF @ 100V	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Through Hole  Supplier Device Package  Package / Case  1200pF @ 100V  ±20V	Vgs(th) (Max) @ Id	3.5V @ 440μA
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Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  PG-TO-220-3  Package / Case  TO-220-3	Power Dissipation (Max)	104W (Tc)
Mounting Type Through Hole Supplier Device Package PG-TO-220-3 Package / Case TO-220-3	Rds On (Max) @ Id, Vgs	250 mOhm @ 7.8A, 10V
Supplier Device Package PG-TO-220-3 Package / Case TO-220-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-220-3	Mounting Type	Through Hole
	Supplier Device Package	PG-TO-220-3
Report errors?	Package / Case	TO-220-3
		Report errors?

#### IPP60R250CPXKSA1 Guarantees



#### **Ouality 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.

### IPP60R250CPXKSA1 Payment Methods



















### IPP60R250CPXKSA1 Shipping Methods













If you have any question about IPP60R250CPXKSA1, please do not hesitate to contact us!

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