



### **AUIRFR6215TRL Information**



For Reference Only

**Part Number** AUIRFR6215TRL **Manufacturer** Infineon Technologies

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** MOSFET P-CH 150V 13A DPAK

Package TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

us

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



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## **AUIRFR6215TRL Specifications**

Manufacturer Part Number         AUIRFR6215TRL           Manufacturer         Infineon Technologies           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         HEXFET?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         150V           Current - Continuous Drain (Id) @ 25°C         13A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         66nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         860pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         110W (Tc)           Rds On (Max) @ Id, Vgs         295 mOhm @ 6.6A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D-Pak           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63           Report errors?		
Category         Discrete Semiconductor Products           Fackage         Transistors - FETs, MOSFETs - Single           Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         HEXFET?           FET Type         P-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         150V           Current - Continuous Drain (Id) @ 25°C         13A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         66nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         860pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         110W (Tc)           Rds On (Max) @ Id, Vgs         295 mOhm @ 6.6A, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D-Pak           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	AUIRFR6215TRL
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SeriesHEXFET?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C13A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs66nC @ 10VInput Capacitance (Ciss) (Max) @ Vds860pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)110W (Tc)Rds On (Max) @ Id, Vgs295 mOhm @ 6.6A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)150VCurrent - Continuous Drain (Id) @ 25°C13A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs66nC @ 10VInput Capacitance (Ciss) (Max) @ Vds860pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)110W (Tc)Rds On (Max) @ Id, Vgs295 mOhm @ 6.6A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Series	HEXFET?
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Supplier Device Package  Package / Case  150V  13A (Tc)  14B (Tc)  4V @ 250μA  66nC @ 10V  860pF @ 25V  420V  FET Feature	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C       13A (Tc)         Drive Voltage (Max Rds On, Min Rds On)       10V         Vgs(th) (Max) @ Id       4V @ 250μA         Gate Charge (Qg) (Max) @ Vgs       66nC @ 10V         Input Capacitance (Ciss) (Max) @ Vds       860pF @ 25V         Vgs (Max)       ±20V         FET Feature       -         Power Dissipation (Max)       110W (Tc)         Rds On (Max) @ Id, Vgs       295 mOhm @ 6.6A, 10V         Operating Temperature       -55°C ~ 175°C (TJ)         Mounting Type       Surface Mount         Supplier Device Package       D-Pak         Package / Case       TO-252-3, DPak (2 Leads + Tab), SC-63	Technology	MOSFET (Metal Oxide)
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Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds  860pF @ 25V  Vgs (Max)  ±20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  295 mOhm @ 6.6A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	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  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	4V @ 250μA
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Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  295 mOhm @ 6.6A, 10V  Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs295 mOhm @ 6.6A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	110W (Tc)
Mounting Type Surface Mount  Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	295 mOhm @ 6.6A, 10V
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Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Mounting Type	Surface Mount
	Supplier Device Package	D-Pak
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

### **AUIRFR6215TRL 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.

### **AUIRFR6215TRL Payment Methods**





















## **AUIRFR6215TRL Shipping Methods**













If you have any question about AUIRFR6215TRL, please do not hesitate to contact us!

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