



#### **R6015KNJTL Information**

Heisener.com

Part Number R6015KNJTL

Manufacturer Rohm Semiconductor

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** NCH 600V 15A POWER MOSFET

Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com For Reference Only

E-mail: salesdept@heisener.com



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# **R6015KNJTL Specifications**

Manufacturer Part Number         R6015KNJTL           Manufacturer         Rohm Semiconductor           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         600V           Current - Continuous Drain (Id) @ 25°C         15A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         37.5nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1505pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         184W (Tc)           Rds On (Max) @ Id, Vgs         290 mOhm @ 6.5A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-263           Package / Case         TO-263-A, D2Pak (2 Leads + Tab), TO-263AB		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Prain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 15A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 37.5nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 1050pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 290 mOhm @ 6.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer Part Number	R6015KNJTL
Package         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         600V           Current - Continuous Drain (Id) @ 25°C         15A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 1mA           Gate Charge (Qg) (Max) @ Vgs         37.5nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1050pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         184W (Tc)           Rds On (Max) @ Id, Vgs         290 mOhm @ 6.5A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-263           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Manufacturer	Rohm Semiconductor
Package Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 15A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Sty @ ImA Gate Charge (Qg) (Max) @ Vds Input Capacitance (Ciss) (Max) @ Vds 1050pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 290 mOhm @ 6.5A, 10V Operating Temperature Surface Mount Supplier Device Package Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Category	Discrete Semiconductor Products
Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         600V           Current - Continuous Drain (Id) @ 25°C         15A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ ImA           Gate Charge (Qg) (Max) @ Vgs         37.5nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1050pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         184W (Tc)           Rds On (Max) @ Id, Vgs         290 mOhm @ 6.5A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-263           Package / Case         TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		Transistors - FETs, MOSFETs - Single
FET Type  Technology  MOSFET (Metal Oxide)  MOSFET (Metal Oxide)  For in to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Sty @ 1mA  Gate Charge (Qg) (Max) @ Vgs  37.5nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  1050pF @ 25V  Vgs (Max)  #20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  290 mOhm @ 6.5A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-263  Package / Case  N-Case  N-Case  N-Channel  MOSFET (Metal Oxide)  MOSFET (Metal Oxide)  #800  #800  #800  **Channel  MOSFET (Metal Oxide)  #800  #800  #800  **Channel  MOSFET (Metal Oxide)  #800  #800  #800  **Channel  #800	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology  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  Surplier Device Package  Package / Case  MOSFET (Metal Oxide)  MOSFET (Metal Oxide)  600V  15A (Tc)  15A (Tc	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  15A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Sv @ 1mA  Gate Charge (Qg) (Max) @ Vgs  1050pF @ 25V  Vgs (Max)  Vgs (Max)  ±20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  600V  15A (Tc)  15A (Tc)  1050	FET Type	N-Channel
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  Derating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  105 (Tc)  15A (Tc)  16V  5V @ ImA  37.5nC @ 10V  1050pF @ 25V  420V  FET Feature	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Sty @ 1mA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  290 mOhm @ 6.5A, 10V  Operating Temperature  Surface Mount  Supplier Device Package  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	600V
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  Surplier Device Package  Package / Case  5V @ 1mA  6	Current - Continuous Drain (Id) @ 25°C	15A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  +20V  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  290 mOhm @ 6.5A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-263  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  290 mOhm @ 6.5A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-263  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs(th) (Max) @ Id	5V @ 1mA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)184W (Tc)Rds On (Max) @ Id, Vgs290 mOhm @ 6.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-263Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	37.5nC @ 10V
FET Feature - Power Dissipation (Max) 184W (Tc) Rds On (Max) @ Id, Vgs 290 mOhm @ 6.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Input Capacitance (Ciss) (Max) @ Vds	1050pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  290 mOhm @ 6.5A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-263  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs290 mOhm @ 6.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-263Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  TO-263  Package / Case  TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	184W (Tc)
Mounting Type Surface Mount  Supplier Device Package TO-263  Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Rds On (Max) @ Id, Vgs	290 mOhm @ 6.5A, 10V
Supplier Device Package TO-263 Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Mounting Type	Surface Mount
	Supplier Device Package	TO-263
Report errors?	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
		Report errors?

#### **R6015KNJTL 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.

## **R6015KNJTL Payment Methods**



















### **R6015KNJTL Shipping Methods**













If you have any question about R6015KNJTL, please do not hesitate to contact us!

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