

### 2N7002-G Information

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For Reference Only

Part Number 2N7002-G

Manufacturer Comchip Technology

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

 $\textbf{Description} \qquad \text{MOSFET N-CH } 60\text{V } 0.25\text{A SOT} 23$ 

**Package** TO-236-3, SC-59, SOT-23-3

For the pricing/inventory/lead time, please contact

us

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



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## 2N7002-G Specifications

Manufacturer Part Number         2N7002-G           Manufacturer         Comchip Technology           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-236-3, SC-59, SOT-23-3           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         60V           Current - Continuous Drain (Id) @ 25°C         250mA (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         InC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         25pF @ 25V           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         350mW (Ta)           Rds On (Max) @ Id, Vgs         3 Ohm @ 250mA, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         SOT-23           Package / Case         TO-236-3, SC-59, SOT-23-3           Report errors?		
Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-236-3, SC-59, SOT-23-3           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         60V           Current - Continuous Drain (Id) @ 25°C         250mA (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         1nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         25pF @ 25V           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         350mW (Ta)           Rds On (Max) @ Id, Vgs         3 Ohm @ 250mA, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         SOT-23           Package / Case         TO-236-3, SC-59, SOT-23-3	Manufacturer Part Number	2N7002-G
Package         TCO-236-3, SC-59, SOT-23-3           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         60V           Current - Continuous Drain (Id) @ 25°C         250mA (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         1nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         25pF @ 25V           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         350mW (Ta)           Rds On (Max) @ Id, Vgs         3 Ohm @ 250mA, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         SOT-23           Package / Case         TO-236-3, SC-59, SOT-23-3	Manufacturer	Comchip Technology
Package         TO-236-3, SC-59, SOT-23-3           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         60V           Current - Continuous Drain (Id) @ 25°C         250mA (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         1nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         25pF @ 25V           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         350mW (Ta)           Rds On (Max) @ Id, Vgs         3 Ohm @ 250mA, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         SOT-23           Package / Case         TO-236-3, SC-59, SOT-23-3	Category	Discrete Semiconductor Products
Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         60V           Current - Continuous Drain (Id) @ 25°C         250mA (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4.5V, 10V           Vgs(th) (Max) @ Id         2.5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         1nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         25pF @ 25V           Vgs (Max)         -           FET Feature         -           Power Dissipation (Max)         350mW (Ta)           Rds On (Max) @ Id, Vgs         3 Ohm @ 250mA, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         SOT-23           Package / Case         TO-236-3, SC-59, SOT-23-3		Transistors - FETs, MOSFETs - Single
FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  60V  Current - Continuous Drain (Id) @ 25°C  250mA (Ta)  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  3 Ohm @ 250mA, 10V  Operating Temperature  Supplier Device Package  Package / Case  N-Channel  MOSFET (Metal Oxide)  MOSFET (Metal Oxide)  MOSFET (Metal Oxide)  60V  250mA (Ta)  250mA (Ta)  2.5V @ 250µA  1nC @ 10V  25pF @ 25V  Vgs (Max)  - FET Feature  - Somw (Ta)  3 Ohm @ 250mA, 10V  Operating Temperature  Surface Mount  Supplier Device Package  SOT-23  Package / Case	Package	TO-236-3, SC-59, SOT-23-3
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C250mA (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs1nC @ 10VInput Capacitance (Ciss) (Max) @ Vds25pF @ 25VVgs (Max)-FET Feature-Power Dissipation (Max)350mW (Ta)Rds On (Max) @ Id, Vgs3 Ohm @ 250mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-23Package / CaseTO-236-3, SC-59, SOT-23-3	Series	-
Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C250mA (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250μAGate Charge (Qg) (Max) @ Vgs1nC @ 10VInput Capacitance (Ciss) (Max) @ Vds25pF @ 25VVgs (Max)-FET Feature-Power Dissipation (Max)350mW (Ta)Rds On (Max) @ Id, Vgs3 Ohm @ 250mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-23Package / CaseTO-236-3, SC-59, SOT-23-3	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Cate Charge (Qg) (Max) @ Vgs  InC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  3 Ohm @ 250mA, 10V  Operating Temperature  Supplier Device Package Package / Case  250mA (Ta)  4.5V, 10V  2.5V @ 250μA  1nC @ 10V  1nDV  25pF @ 25V  25pF @ 25V  25pF @ 25V  Capacitance (Ciss) (Max) @ Vds  25pF @ 25V  25pF	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Cate Charge (Qg) (Max) @ Vgs  InC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  - 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  TO-236-3, SC-59, SOT-23-3	Drain to Source Voltage (Vdss)	60V
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  2.5V @ 250μA  1nC @ 10V  2.5pF @ 25V	Current - Continuous Drain (Id) @ 25°C	250mA (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  25pF @ 25V  Vgs (Max)  - FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  3 Ohm @ 250mA, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  TO-236-3, SC-59, SOT-23-3	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  - FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  3 Ohm @ 250mA, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  TO-236-3, SC-59, SOT-23-3	Vgs(th) (Max) @ Id	2.5V @ 250μA
Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Operating Temperature  Supplier Device Package  Package / Case	Gate Charge (Qg) (Max) @ Vgs	1nC @ 10V
FET Feature -  Power Dissipation (Max) 350mW (Ta)  Rds On (Max) @ Id, Vgs 3 0hm @ 250mA, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package SOT-23  Package / Case TO-236-3, SC-59, SOT-23-3	Input Capacitance (Ciss) (Max) @ Vds	25pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  3 Ohm @ 250mA, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  TO-236-3, SC-59, SOT-23-3	Vgs (Max)	-
Rds On (Max) @ Id, Vgs3 Ohm @ 250mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSOT-23Package / CaseTO-236-3, SC-59, SOT-23-3	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  SOT-23  Package / Case  TO-236-3, SC-59, SOT-23-3	Power Dissipation (Max)	350mW (Ta)
Mounting Type Surface Mount Supplier Device Package SOT-23 Package / Case TO-236-3, SC-59, SOT-23-3	Rds On (Max) @ Id, Vgs	3 Ohm @ 250mA, 10V
Supplier Device Package SOT-23 Package / Case TO-236-3, SC-59, SOT-23-3	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-236-3, SC-59, SOT-23-3	Mounting Type	Surface Mount
	Supplier Device Package	SOT-23
Report errors?	Package / Case	TO-236-3, SC-59, SOT-23-3
		Report errors?

#### 2N7002-G 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.

## 2N7002-G Payment Methods



















### 2N7002-G Shipping Methods













If you have any question about 2N7002-G, please do not hesitate to contact us!

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