



### **GP2M004A065CG Information**



For Reference Only

Part Number GP2M004A065CG

ManufacturerGlobal Power Technologies GroupCategoryDiscrete Semiconductor Products<br/>Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 650V 4A 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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## **GP2M004A065CG Specifications**

Manufacturer Part Number         GP2M004A065CG           Manufacturer         Global Power Technologies Group           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         650V           Current - Continuous Drain (Id) @ 25°C         4A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 250µA           Gate Charge (Qg) (Max) @ Vgs         15nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         42pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         98.4W (Tc)           Rds On (Max) @ Id, Vgs         2.4 Ohm @ 2A, 10V           Operating Temperature         -55°C ~ 150°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  Transistors - FETs, MOSFETs - Single  Package  TO-252-3, DPak (2 Leads + Tab), SC-63  Series  - FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Frou Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  AA (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  429F @ 25V  Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Qs (Max) @ 34W (Tc)  Rds On (Max) @ Id, Vgs  Qs (Max) @ 44 (Tc)  Power Dissipation (Max)  Sufface Mount  Depating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	GP2M004A065CG
Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         650V           Current - Continuous Drain (Id) @ 25°C         4A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         5V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         15nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         642pF @ 25V           Vgs (Max)         ±30V           FET Feature         -           Power Dissipation (Max)         98.4W (Tc)           Rds On (Max) @ Id, Vgs         2.4 Ohm @ 2A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         D-Pak           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer	Global Power Technologies Group
PackageTO-252-3, DPak (2 Leads + Tab), SC-63Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)650VCurrent - Continuous Drain (Id) @ 25°C4A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs15nC @ 10VInput Capacitance (Ciss) (Max) @ Vds642pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)98.4W (Tc)Rds On (Max) @ Id, Vgs2.4 Ohm @ 2A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Category	Discrete Semiconductor Products
Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)650 VCurrent - Continuous Drain (Id) @ 25°C4A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs15nC @ 10VInput Capacitance (Ciss) (Max) @ Vds642pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)98.4W (Tc)Rds On (Max) @ Id, Vgs2.4 Ohm @ 2A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  4A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Sty @ 250µA  Gate Charge (Qg) (Max) @ Vgs  15nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  42pF @ 25V  Vgs (Max)  #30V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  2.4 Ohm @ 2A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  N-Channel  N-Channel  N-Channel  N-Channel  N-Channel  N-Channel  N-Channel  N-Channel  NOSFET (Metal Oxide)  Ad (Tc)  4A (Tc)  10V  4A (Tc)  55°Q 250µA  642pF @ 25V  25V  25V  25V  25V  25V  25V  25V	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  Prive 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  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  Package / Case  MOSFET (Metal Oxide)  MOSFET (Metal Oxide)  650V  4A (Tc)  4A (Tc)  10V  4A (Tc)  10V  642pF @ 25V  25V  25V  25V  25V  25V  25V  25V	Series	-
Drain to Source Voltage (Vdss)650VCurrent - Continuous Drain (Id) @ 25°C4A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs15nC @ 10VInput Capacitance (Ciss) (Max) @ Vds642pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)98.4W (Tc)Rds On (Max) @ Id, Vgs2.4 Ohm @ 2A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Sv @ 250μA  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  FET Feature  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  2.4 Ohm @ 2A, 10V  Operating Temperature  Supplier Device Package  Package / Case  4A (Tc)  4A (Tc)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs15nC @ 10VInput Capacitance (Ciss) (Max) @ Vds642pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)98.4W (Tc)Rds On (Max) @ Id, Vgs2.4 Ohm @ 2A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	650V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  642pF @ 25V  Vgs (Max)  ±30V  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-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	4A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  642pF @ 25V  Vgs (Max)  ±30V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  2.4 Ohm @ 2A, 10V  Operating Temperature  -55°C ~ 150°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  642pF @ 25V  Vgs (Max)  ET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  2.4 Ohm @ 2A, 10V  Operating Temperature  -55°C ~ 150°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	5V @ 250μA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)98.4W (Tc)Rds On (Max) @ Id, Vgs2.4 Ohm @ 2A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	15nC @ 10V
FET Feature - Power Dissipation (Max) 98.4W (Tc) Rds On (Max) @ Id, Vgs 2.4 Ohm @ 2A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Input Capacitance (Ciss) (Max) @ Vds	642pF @ 25V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  2.4 Ohm @ 2A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs2.4 Ohm @ 2A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  D-Pak  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	98.4W (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	2.4 Ohm @ 2A, 10V
Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 150°C (TJ)
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?

## **GP2M004A065CG 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.

## **GP2M004A065CG Payment Methods**





















## **GP2M004A065CG Shipping Methods**













If you have any question about GP2M004A065CG, please do not hesitate to contact us!

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