

IPB120N04S402ATMA1

IPB120N04S402ATMA1 Information



For Reference Only

Part Number IPB120N04S402ATMA1 **Manufacturer** Infineon Technologies

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

MOSFET N-CH 40V 120A TO263-3-2

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

For the pricing/inventory/lead time, please contact

us

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



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Description









IPB120N04S402ATMA1 Specifications

Manufacturer Part Number IPB120N04S402ATMA1 Manufacturer Infineon Technologies Category Discrete Semiconductor Products Fackage TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 120A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 110µA Gate Charge (Qg) (Max) @ Vgs 134nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 10740pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 158W (Tc) Rds On (Max) @ Id, Vgs 1.8 mOhm @ 100A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO263-3 Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		
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Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 40V Current - Continuous Drain (Id) @ 25°C 120A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 110µA Gate Charge (Qg) (Max) @ Vgs 134nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 10740pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 158W (Tc) Rds On (Max) @ Id, Vgs 1.8 mOhm @ 100A, 10V Operating Temperature 55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO263-3 Package / Case 170-263-AB	Category	Discrete Semiconductor Products
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FET Type N-Channel Technology MOSFET (Metal Oxide) 40V Current - Continuous Drain (Id) @ 25°C 120A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 134nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 10740pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.8 mOhm @ 100A, 10V Operating Temperature Surface Mount Supplier Device Package PG-TO263-3 Package / Case MOSFET (Metal Oxide) MOSFET (Metal Oxide) 40V 120A (Tc) 12	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C120A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 110μAGate Charge (Qg) (Max) @ Vgs134nC @ 10VInput Capacitance (Ciss) (Max) @ Vds10740pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)158W (Tc)Rds On (Max) @ Id, Vgs1.8 mOhm @ 100A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO263-3Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Series	OptiMOS?
Drain to Source Voltage (Vdss)40VCurrent - Continuous Drain (Id) @ 25°C120A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 110μAGate Charge (Qg) (Max) @ Vgs134nC @ 10VInput Capacitance (Ciss) (Max) @ Vds10740pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)158W (Tc)Rds On (Max) @ Id, Vgs1.8 mOhm @ 100A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO263-3Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 120A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 110µA Gate Charge (Qg) (Max) @ Vgs 134nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 10740pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 158W (Tc) Rds On (Max) @ Id, Vgs 1.8 mOhm @ 100A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO263-3 Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 110μAGate Charge (Qg) (Max) @ Vgs134nC @ 10VInput Capacitance (Ciss) (Max) @ Vds10740pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)158W (Tc)Rds On (Max) @ Id, Vgs1.8 mOhm @ 100A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO263-3Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	40V
Vgs(th) (Max) @ Id 4V @ 110μA Gate Charge (Qg) (Max) @ Vgs 134nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 10740pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 158W (Tc) Rds On (Max) @ Id, Vgs 1.8 mOhm @ 100A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO263-3 Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	120A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.8 mOhm @ 100A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO263-3 Package / Case 134nC @ 10V 10740pF @ 25V +20V -55°C 158W (Tc) 1.8 mOhm @ 100A, 10V -55°C ~ 175°C (TJ) Surface Mount Type Surface Mount 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 1.8 mOhm @ 100A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO263-3 Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs(th) (Max) @ Id	4V @ 110μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)158W (Tc)Rds On (Max) @ Id, Vgs1.8 mOhm @ 100A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO263-3Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	134nC @ 10V
FET Feature - Power Dissipation (Max) 158W (Tc) Rds On (Max) @ Id, Vgs 1.8 mOhm @ 100A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO263-3 Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Input Capacitance (Ciss) (Max) @ Vds	10740pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.8 mOhm @ 100A, 10V Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO263-3 Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs1.8 mOhm @ 100A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-TO263-3Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Feature	-
Operating Temperature -55°C ~ 175°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-TO263-3 Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	158W (Tc)
Mounting Type Surface Mount Supplier Device Package PG-TO263-3 Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Rds On (Max) @ Id, Vgs	1.8 mOhm @ 100A, 10V
Supplier Device Package PG-TO263-3 Package / Case PG-TO263-3 TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Mounting Type	Surface Mount
	Supplier Device Package	PG-TO263-3
Report errors?	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
		Report errors?

IPB120N04S402ATMA1 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.

IPB120N04S402ATMA1 Payment Methods



















IPB120N04S402ATMA1 Shipping Methods













If you have any question about IPB120N04S402ATMA1, please do not hesitate to contact us!

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