

BSO040N03MSGXUMA1

BSO040N03MSGXUMA1 Information



For Reference Only

Part Number BSO040N03MSGXUMA1
Manufacturer Infineon Technologies

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

DescriptionMOSFET N-CH 30V 16A 8DSO**Package**8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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BSO040N03MSGXUMA1 Specifications

Manufacturer Part NumberBSO040N03MSGXUMA1ManufacturerInfineon TechnologiesCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackage8-SOIC (0.154", 3.90mm Width)SeriesOptiMOS?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C16A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2V @ 250µAGate Charge (Qg) (Max) @ Vgs73nC @ 10VInput Capacitance (Ciss) (Max) @ Vds5700pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.56W (Ta)Rds On (Max) @ Id, Vgs4 mOhm @ 20A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-DSO-8Package / Case8-SOIC (0.154", 3.90mm Width)		
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Series OptiMOS? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 16A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id 2V @ 250µA Gate Charge (Qg) (Max) @ Vgs 73nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 5700pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.56W (Ta) Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-DSO-8 Package / Case 8-SOIC (0.154", 3.90mm Width)		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C16A (Ta)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2V @ 250μAGate Charge (Qg) (Max) @ Vgs73nC @ 10VInput Capacitance (Ciss) (Max) @ Vds5700pF @ 15VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.56W (Ta)Rds On (Max) @ Id, Vgs4 mOhm @ 20A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-DSO-8Package / Case8-SOIC (0.154", 3.90mm Width)	Package	8-SOIC (0.154", 3.90mm Width)
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 16A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Cate Charge (Qg) (Max) @ Vgs 173nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature - Supplier Device Package Package / Case MOSFET (Metal Oxide) 30V MOSFET (Metal Oxide) 30V 16A (Ta) 4.5V, 10V 2V @ 250μA 5700pF @ 15V 2V @ 250μA 5700pF @ 15V 4.5V, 10V 2V @ 250μA 4.5V, 10V 2V @ 250μA 5700pF @ 15V 4.5V (Ta) 4.5V	Series	OptiMOS?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 16A (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 Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width)	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 Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs A mOhm @ 20A, 10V Operating Temperature Supplier Device Package Package / Case 16A (Ta) 156 (Ta) 4.5V, 10V 4.5V, 10V 5700pF @ 15V 5700pF @ 15V 5700pF @ 15V 4.50V 5700pF @ 15V 5700pF	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 2V @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature Surplier Device Package Package / Case 4.5V, 10V 2V @ 250μA 5700pF @ 15V ±20V 5700pF @ 15V ±20V CTI) Surface Mount	Drain to Source Voltage (Vdss)	30V
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 2V @ 250μA 73nC @ 10V 75nOpF @ 15V 4 mOv 5700pF @ 15V 4 mOv 4 mOhm @ 20A, 10V 55°C ~ 150°C (TJ) Surface Mount Supplier Device Package PG-DSO-8 8-SOIC (0.154", 3.90mm Width)	Current - Continuous Drain (Id) @ 25°C	16A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 5700pF @ 15V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width)	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case 5700pF @ 15V ±20V	Vgs(th) (Max) @ Id	2V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.56W (Ta)Rds On (Max) @ Id, Vgs4 mOhm @ 20A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-DSO-8Package / Case8-SOIC (0.154", 3.90mm Width)	Gate Charge (Qg) (Max) @ Vgs	73nC @ 10V
FET Feature - Power Dissipation (Max) 1.56W (Ta) Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-DSO-8 Package / Case 8-SOIC (0.154", 3.90mm Width)	Input Capacitance (Ciss) (Max) @ Vds	5700pF @ 15V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 4 mOhm @ 20A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-DSO-8 Package / Case 8-SOIC (0.154", 3.90mm Width)	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs4 mOhm @ 20A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePG-DSO-8Package / Case8-SOIC (0.154", 3.90mm Width)	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PG-DSO-8 Package / Case 8-SOIC (0.154", 3.90mm Width)	Power Dissipation (Max)	1.56W (Ta)
Mounting Type Surface Mount Supplier Device Package PG-DSO-8 Package / Case 8-SOIC (0.154", 3.90mm Width)	Rds On (Max) @ Id, Vgs	4 mOhm @ 20A, 10V
Supplier Device Package PG-DSO-8 Package / Case 8-SOIC (0.154", 3.90mm Width)	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-SOIC (0.154", 3.90mm Width)	Mounting Type	Surface Mount
-	Supplier Device Package	PG-DSO-8
Report errors?	Package / Case	8-SOIC (0.154", 3.90mm Width)
		Report errors?

BSO040N03MSGXUMA1 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.

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BSO040N03MSGXUMA1 Shipping Methods













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