

BSO130P03SNTMA1

BSO130P03SNTMA1 Information



For Reference Only

Part Number BSO130P03SNTMA1 **Manufacturer** Infineon Technologies

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

DescriptionMOSFET P-CH 30V 9.2A 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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BSO130P03SNTMA1 Specifications

Manufacturer Part NumberBSO130P03SNTMA1ManufacturerInfineon TechnologiesCategoryDiscrete Semiconductor Products Transistors - FETs, MOSFETs - SinglePackage8-SOIC (0.154", 3.90mm Width)SeriesOptiMOS?FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C9.2A (Ta)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id2.2V @ 140μAGate Charge (Qg) (Max) @ Vgs81nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3520pF @ 25VVgs (Max)±25VFET Feature-Power Dissipation (Max)1.56W (Ta)Rds On (Max) @ Id, Vgs13 mOhm @ 11.3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageP-DSO-8Package / Case8-SOIC (0.154", 3.90mm Width)		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 8-SOIC (0.154", 3.90mm Width) Series OptiMOS? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 9.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 2.2V @ 140μA Gate Charge (Qg) (Max) @ Vgs 81nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3520pF @ 25V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 1.56W (Ta) Rds On (Max) @ Id, Vgs 13 mOhm @ 11.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package P-DSO-8 Package / Case 8-SOIC (0.154", 3.90mm Width)	Manufacturer Part Number	BSO130P03SNTMA1
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Series OptiMOS? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 9.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 2.2V @ 140μA Gate Charge (Qg) (Max) @ Vgs 81nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3520pF @ 25V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 1.56W (Ta) Rds On (Max) @ Id, Vgs 13 mOhm @ 11.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package P-DSO-8 Package / Case 8-SOIC (0.154", 3.90mm Width)		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 9.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 2.2V @ 140µA Gate Charge (Qg) (Max) @ Vgs 81nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3520pF @ 25V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 1.56W (Ta) Rds On (Max) @ Id, Vgs 13 mOhm @ 11.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package P-DSO-8 Package / Case 8-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 9.2A (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 MOSFET (Metal Oxide) 30V MOSFET (Metal Oxide) 30V 30V 30V 50V 9.2A (Ta) 10V 2.2V @ 140µA 3520pF @ 25V 425V FET Feature - C Power Dissipation (Max) 1.56W (Ta) 13 mOhm @ 11.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Surface Mount Supplier Device Package P-DSO-8 8-SOIC (0.154", 3.90mm Width)	Series	OptiMOS?
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C9.2A (Ta)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id2.2V @ 140μAGate Charge (Qg) (Max) @ Vgs81nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3520pF @ 25VVgs (Max)±25VFET Feature-Power Dissipation (Max)1.56W (Ta)Rds On (Max) @ Id, Vgs13 mOhm @ 11.3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageP-DSO-8Package / Case8-SOIC (0.154", 3.90mm Width)	FET Type	P-Channel
Current - Continuous Drain (Id) @ 25°C 9.2A (Ta) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 2.2V @ 140µA Gate Charge (Qg) (Max) @ Vgs 81nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3520pF @ 25V Vgs (Max) ±25V FET Feature - Power Dissipation (Max) 1.56W (Ta) Rds On (Max) @ Id, Vgs 13 mOhm @ 11.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package P-DSO-8 Package / Case 8-SOIC (0.154", 3.90mm Width)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id2.2V @ 140μAGate Charge (Qg) (Max) @ Vgs81nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3520pF @ 25VVgs (Max)±25VFET Feature-Power Dissipation (Max)1.56W (Ta)Rds On (Max) @ Id, Vgs13 mOhm @ 11.3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageP-DSO-8Package / Case8-SOIC (0.154", 3.90mm Width)	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 13 mOhm @ 11.3A, 10V Operating Temperature Surplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width)	Current - Continuous Drain (Id) @ 25°C	9.2A (Ta)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +25V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13 mOhm @ 11.3A, 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)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13 mOhm @ 11.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-SOIC (0.154", 3.90mm Width)	Vgs(th) (Max) @ Id	2.2V @ 140μA
Vgs (Max)±25VFET Feature-Power Dissipation (Max)1.56W (Ta)Rds On (Max) @ Id, Vgs13 mOhm @ 11.3A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageP-DSO-8Package / Case8-SOIC (0.154", 3.90mm Width)	Gate Charge (Qg) (Max) @ Vgs	81nC @ 10V
FET Feature - Power Dissipation (Max) 1.56W (Ta) Rds On (Max) @ Id, Vgs 13 mOhm @ 11.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package P-DSO-8 Package / Case 8-SOIC (0.154", 3.90mm Width)	Input Capacitance (Ciss) (Max) @ Vds	3520pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13 mOhm @ 11.3A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package P-DSO-8 Package / Case 8-SOIC (0.154", 3.90mm Width)	Vgs (Max)	±25V
Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package P-DSO-8 Package / Case 8-SOIC (0.154", 3.90mm Width)	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package P-DSO-8 Package / Case 8-SOIC (0.154", 3.90mm Width)	Power Dissipation (Max)	1.56W (Ta)
Mounting Type Surface Mount Supplier Device Package P-DSO-8 Package / Case 8-SOIC (0.154", 3.90mm Width)	Rds On (Max) @ Id, Vgs	13 mOhm @ 11.3A, 10V
Supplier Device Package P-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	P-DSO-8
Report errors?	Package / Case	8-SOIC (0.154", 3.90mm Width)
		Report errors?

BSO130P03SNTMA1 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.

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BSO130P03SNTMA1 Shipping Methods













If you have any question about BSO130P03SNTMA1, please do not hesitate to contact us!

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