



SI6404DQ-T1-E3 Information



For Reference Only

Part Number SI6404DQ-T1-E3
Manufacturer Vishay Siliconix

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

DescriptionMOSFET N-CH 30V 8.6A 8TSSOPPackage8-TSSOP (0.173", 4.40mm Width)

For the pricing/inventory/lead time, please contact

us

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



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SI6404DQ-T1-E3 Specifications

Manufacturer Part Number SI6404DQ-T1-E3 Manufacturer Vishay Siliconix Category Discrete Semiconductor Products		
CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackage8-TSSOP (0.173", 4.40mm Width)SeriesTrenchFET?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C8.6A (Ta)Drive Voltage (Max Rds On, Min Rds On)2.5V, 10VVgs(th) (Max) @ Id600mV @ 250μAGate Charge (Qg) (Max) @ Vgs48nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±12VFET Feature-Power Dissipation (Max)1.08W (Ta)Rds On (Max) @ Id, Vgs9 mOhm @ 11A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-TSSOPPackage / Case8-TSSOP (0.173", 4.40mm Width)	Manufacturer Part Number	SI6404DQ-T1-E3
Package 8-TSSOP (0.173", 4.40mm Width) Series TrenchFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 8.6A (Ta) Drive Voltage (Max Rds On, Min Rds On) 2.5V, 10V Vgs(th) (Max) @ Id 600mV @ 250μA Gate Charge (Qg) (Max) @ Vgs 48nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max) ±12V FET Feature - Power Dissipation (Max) 1.08W (Ta) Rds On (Max) @ Id, Vgs 9 mOhm @ 11A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-TSSOP Package / Case 8-TSSOP (0.173", 4.40mm Width)	Manufacturer	Vishay Siliconix
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Series TrenchFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 8.6A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 600mV @ 250µA Gate Charge (Qg) (Max) @ Vgs 48nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max) ±12V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 11A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-TSSOP Package / Case		Transistors - FETs, MOSFETs - Single
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TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C8.6A (Ta)Drive Voltage (Max Rds On, Min Rds On)2.5V, 10VVgs(th) (Max) @ Id600mV @ 250μAGate Charge (Qg) (Max) @ Vgs48nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±12VFET Feature-Power Dissipation (Max)1.08W (Ta)Rds On (Max) @ Id, Vgs9 mOhm @ 11A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-TSSOPPackage / Case8-TSSOP (0.173", 4.40mm Width)	Series	TrenchFET?
Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C8.6A (Ta)Drive Voltage (Max Rds On, Min Rds On)2.5V, 10VVgs(th) (Max) @ Id600mV @ 250μAGate Charge (Qg) (Max) @ Vgs48nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±12VFET Feature-Power Dissipation (Max)1.08W (Ta)Rds On (Max) @ Id, Vgs9 mOhm @ 11A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-TSSOPPackage / Case8-TSSOP (0.173", 4.40mm Width)	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C B.6A (Ta) Drive Voltage (Max Rds On, Min Rds On) 2.5V, 10V Vgs(th) (Max) @ Id 600mV @ 250μA Gate Charge (Qg) (Max) @ Vgs 48nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max) ±12V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 11A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 8-TSSOP (0.173", 4.40mm Width)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)2.5V, 10VVgs(th) (Max) @ Id600mV @ 250μAGate Charge (Qg) (Max) @ Vgs48nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±12VFET Feature-Power Dissipation (Max)1.08W (Ta)Rds On (Max) @ Id, Vgs9 mOhm @ 11A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-TSSOPPackage / Case8-TSSOP (0.173", 4.40mm Width)	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 48nC @ 4.5V 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-TSSOP (0.173", 4.40mm Width)	Current - Continuous Drain (Id) @ 25°C	8.6A (Ta)
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-TSSOP (0.173", 4.40mm Width)	Drive Voltage (Max Rds On, Min Rds On)	2.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±12V FET Feature - Power Dissipation (Max) 1.08W (Ta) Rds On (Max) @ Id, Vgs 9 mOhm @ 11A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-TSSOP Package / Case 8-TSSOP (0.173", 4.40mm Width)	Vgs(th) (Max) @ Id	600mV @ 250μA
Vgs (Max)±12VFET Feature-Power Dissipation (Max)1.08W (Ta)Rds On (Max) @ Id, Vgs9 mOhm @ 11A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-TSSOPPackage / Case8-TSSOP (0.173", 4.40mm Width)	Gate Charge (Qg) (Max) @ Vgs	48nC @ 4.5V
FET Feature - 1.08W (Ta) Rds On (Max) @ Id, Vgs 9 mOhm @ 11A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-TSSOP Package / Case 8-TSSOP (0.173", 4.40mm Width)	Input Capacitance (Ciss) (Max) @ Vds	-
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 11A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-TSSOP Package / Case 8-TSSOP (0.173", 4.40mm Width)	Vgs (Max)	±12V
Rds On (Max) @ Id, Vgs9 mOhm @ 11A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device Package8-TSSOPPackage / Case8-TSSOP (0.173", 4.40mm Width)	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 8-TSSOP Package / Case 8-TSSOP (0.173", 4.40mm Width)	Power Dissipation (Max)	1.08W (Ta)
Mounting Type Surface Mount Supplier Device Package 8-TSSOP Package / Case 8-TSSOP (0.173", 4.40mm Width)	Rds On (Max) @ Id, Vgs	9 mOhm @ 11A, 10V
Supplier Device Package 8-TSSOP Package / Case 8-TSSOP (0.173", 4.40mm Width)	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 8-TSSOP (0.173", 4.40mm Width)	Mounting Type	Surface Mount
	Supplier Device Package	8-TSSOP
Report errors?	Package / Case	8-TSSOP (0.173", 4.40mm Width)
		Report errors?

SI6404DQ-T1-E3 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.

SI6404DQ-T1-E3 Payment Methods



















SI6404DQ-T1-E3 Shipping Methods













If you have any question about SI6404DQ-T1-E3, please do not hesitate to contact us!

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