



SI7820DN-T1-GE3 Information



For Reference Only

Part Number SI7820DN-T1-GE3
Manufacturer Vishay Siliconix

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 200V 1.7A 1212-8

Package PowerPAK? 1212-8

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









SI7820DN-T1-GE3 Specifications

Manufacturer Part Number SI7820DN-T1-GE3 Manufacturer Vishay Siliconix Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package PowerPAK? 1212-8 Series TrenchFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 200V Current - Continuous Drain (Id) @ 25°C 1.7A (Ta) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 18nC @ 10V Input Capacitance (Ciss) (Max) @ Vds ±20V FET Feature - Power Dissipation (Max) 1.5W (Ta) Rds On (Max) @ Id, Vgs 240 mOhm @ 2.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? 1212-8 Package / Case PowerPAK? 1212-8		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package PowerPAK? 1212-8 Series TrenchFET? FET Type N-Channel Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 1.7A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 18nC @ 10V Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.5W (Ta) Rds On (Max) @ Id, Vgs 240 mOhm @ 2.6A, 10V Operating Temperature Supplier Device Package PowerPAK? 1212-8 PowerPAK? 1212-8 Power Description Power Description (Package) PowerPAK? 1212-8	Manufacturer Part Number	SI7820DN-T1-GE3
Package PowerPAK? 1212-8 Series TrenchFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 200V Current - Continuous Drain (Id) @ 25°C 1.7A (Ta) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 18nC @ 10V Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.5W (Ta) Rds On (Max) @ Id, Vgs 240 mOhm @ 2.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? 1212-8 Package / Case PowerPAK? 1212-8	Manufacturer	Vishay Siliconix
Package PowerPAK? 1212-8 Series TrenchFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 200V Current - Continuous Drain (Id) @ 25°C 1.7A (Ta) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 18nC @ 10V Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.5W (Ta) Rds On (Max) @ Id, Vgs 240 mOhm @ 2.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? 1212-8 Package / Case PowerPAK? 1212-8	Category	Discrete Semiconductor Products
Series TrenchFET? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 200V Current - Continuous Drain (Id) @ 25°C 1.7A (Ta) Drive Voltage (Max Rds On, Min Rds On) 6V, 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 18nC @ 10V Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.5W (Ta) Rds On (Max) @ Id, Vgs 240 mOhm @ 2.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? 1212-8 Package / Case PowerPAK? 1212-8		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C1.7A (Ta)Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs18nC @ 10VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.5W (Ta)Rds On (Max) @ Id, Vgs240 mOhm @ 2.6A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? 1212-8Package / CasePowerPAK? 1212-8	Package	PowerPAK? 1212-8
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C1.7A (Ta)Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs18nC @ 10VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.5W (Ta)Rds On (Max) @ Id, Vgs240 mOhm @ 2.6A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? 1212-8Package / CasePowerPAK? 1212-8	Series	TrenchFET?
Drain to Source Voltage (Vdss)200VCurrent - Continuous Drain (Id) @ 25°C1.7A (Ta)Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs18nC @ 10VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.5W (Ta)Rds On (Max) @ Id, Vgs240 mOhm @ 2.6A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? 1212-8Package / CasePowerPAK? 1212-8	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 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 240 mOhm @ 2.6A, 10V Operating Temperature Supplier Device Package PowerPAK? 1212-8 PowerPAK? 1212-8	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)6V, 10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs18nC @ 10VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.5W (Ta)Rds On (Max) @ Id, Vgs240 mOhm @ 2.6A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? 1212-8Package / CasePowerPAK? 1212-8	Drain to Source Voltage (Vdss)	200V
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 PowerPAK? 1212-8 PowerPAK? 1212-8	Current - Continuous Drain (Id) @ 25°C	1.7A (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 June 1.5° C ~ 150° C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case Supplier Devertians 1.8° C @ 10V 1.8° C @ 10V 1.5° C © 150° C (TJ) Surface Mount PowerPAK? 1212-8 PowerPAK? 1212-8	Drive Voltage (Max Rds On, Min Rds On)	6V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.5W (Ta) Rds On (Max) @ Id, Vgs 240 mOhm @ 2.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? 1212-8 Package / Case PowerPAK? 1212-8	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.5W (Ta)Rds On (Max) @ Id, Vgs240 mOhm @ 2.6A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? 1212-8Package / CasePowerPAK? 1212-8	Gate Charge (Qg) (Max) @ Vgs	18nC @ 10V
FET Feature - Power Dissipation (Max) 1.5W (Ta) Rds On (Max) @ Id, Vgs 240 mOhm @ 2.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? 1212-8 Package / Case PowerPAK? 1212-8	Input Capacitance (Ciss) (Max) @ Vds	-
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 240 mOhm @ 2.6A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? 1212-8 Package / Case PowerPAK? 1212-8	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs240 mOhm @ 2.6A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackagePowerPAK? 1212-8Package / CasePowerPAK? 1212-8	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package PowerPAK? 1212-8 Package / Case PowerPAK? 1212-8	Power Dissipation (Max)	1.5W (Ta)
Mounting Type Surface Mount Supplier Device Package PowerPAK? 1212-8 Package / Case PowerPAK? 1212-8	Rds On (Max) @ Id, Vgs	240 mOhm @ 2.6A, 10V
Supplier Device Package PowerPAK? 1212-8 Package / Case PowerPAK? 1212-8	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case PowerPAK? 1212-8	Mounting Type	Surface Mount
	Supplier Device Package	PowerPAK? 1212-8
Report errors?	Package / Case	PowerPAK? 1212-8
		Report errors?

SI7820DN-T1-GE3 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.

SI7820DN-T1-GE3 Payment Methods



















SI7820DN-T1-GE3 Shipping Methods













If you have any question about SI7820DN-T1-GE3, please do not hesitate to contact us!

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