



DMJ70H1D3SI3 Information



For Reference Only

Part Number DMJ70H1D3SI3

Manufacturer Diodes Incorporated

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 700V 4.6A TO251

Package TO-251-3 Stub Leads, IPak

For the pricing/inventory/lead time, please contact

us

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



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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.









DMJ70H1D3SI3 Specifications

Manufacturer Part Number DM/70H1D3S13 Manufacturer Diodes Incorporated Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-251-3 Stub Leads, IPak Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 700V Current - Continuous Drain (Id) @ 25°C 4.6A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 13.9nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 351pF @ 50V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 41W (Tc) Rds On (Max) @ Id, Vgs 1.3 Ohm @ 2.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251 Package / Case TO-2513 Stub Leads, IPak Report errors?		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-251-3 Stub Leads, IPak Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 700V Current - Continuous Drain (Id) @ 25°C 4.6A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 13.9nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 351pF @ 50V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 41W (Tc) Rds On (Max) @ Id, Vgs 1.3 Ohm @ 2.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251-3 Stub Leads, IPak	Manufacturer Part Number	DMJ70H1D3SI3
Package TCO-251-3 Stub Leads, IPak Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 700V Current - Continuous Drain (Id) @ 25°C 4.6A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 13.9nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 351pF @ 50V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 41W (Tc) Rds On (Max) @ Id, Vgs 1.3 Ohm @ 2.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251 Package / Case TO-251-3 Stub Leads, IPak	Manufacturer	Diodes Incorporated
Package TO-251-3 Stub Leads, IPak Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 700V Current - Continuous Drain (Id) @ 25°C 4.6A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 13.9nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 351pF @ 50V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 41W (Tc) Rds On (Max) @ Id, Vgs 1.3 Ohm @ 2.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251 Package / Case TO-251-3 Stub Leads, IPak	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 700V Current - Continuous Drain (Id) @ 25°C 4.6A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 13.9nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 351pF @ 50V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 41W (Tc) Rds On (Max) @ Id, Vgs 1.3 Ohm @ 2.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251 Package / Case TO-251-3 Stub Leads, IPak		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)700VCurrent - Continuous Drain (Id) @ 25°C4.6A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs13.9nC @ 10VInput Capacitance (Ciss) (Max) @ Vds351pF @ 50VVgs (Max)±30VFET Feature-Power Dissipation (Max)41W (Tc)Rds On (Max) @ Id, Vgs1.3 Ohm @ 2.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-251Package / CaseTO-251-3 Stub Leads, IPak	Package	TO-251-3 Stub Leads, IPak
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)700VCurrent - Continuous Drain (Id) @ 25°C4.6A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs13.9nC @ 10VInput Capacitance (Ciss) (Max) @ Vds351pF @ 50VVgs (Max)±30VFET Feature-Power Dissipation (Max)41W (Tc)Rds On (Max) @ Id, Vgs1.3 Ohm @ 2.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-251Package / CaseTO-251-3 Stub Leads, IPak	Series	-
Drain to Source Voltage (Vdss)700VCurrent - Continuous Drain (Id) @ 25°C4.6A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs13.9nC @ 10VInput Capacitance (Ciss) (Max) @ Vds351pF @ 50VVgs (Max)±30VFET Feature-Power Dissipation (Max)41W (Tc)Rds On (Max) @ Id, Vgs1.3 Ohm @ 2.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-251Package / CaseTO-251-3 Stub Leads, IPak	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 1.3 Ohm @ 2.5A, 10V Operating Temperature Supplier Device Package Package / Case 4.6A (Tc) 4.6	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs13.9nC @ 10VInput Capacitance (Ciss) (Max) @ Vds351pF @ 50VVgs (Max)±30VFET Feature-Power Dissipation (Max)41W (Tc)Rds On (Max) @ Id, Vgs1.3 Ohm @ 2.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-251Package / CaseTO-251-3 Stub Leads, IPak	Drain to Source Voltage (Vdss)	700V
Vgs(th) (Max) @ Id	Current - Continuous Drain (Id) @ 25°C	4.6A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature John @ 2.5A, 10V Operating Temperature John @ 2.5A (TJ) Mounting Type Through Hole Supplier Device Package TO-251 Package / Case TO-251-3 Stub Leads, IPak	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 1.3 Ohm @ 2.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251 Package / Case TO-251-3 Stub Leads, IPak	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±30VFET Feature-Power Dissipation (Max)41W (Tc)Rds On (Max) @ Id, Vgs1.3 Ohm @ 2.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-251Package / CaseTO-251-3 Stub Leads, IPak	Gate Charge (Qg) (Max) @ Vgs	13.9nC @ 10V
FET Feature - Power Dissipation (Max) 41W (Tc) Rds On (Max) @ Id, Vgs 1.3 Ohm @ 2.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251 Package / Case TO-251-3 Stub Leads, IPak	Input Capacitance (Ciss) (Max) @ Vds	351pF @ 50V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 1.3 Ohm @ 2.5A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251 Package / Case TO-251-3 Stub Leads, IPak	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs1.3 Ohm @ 2.5A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-251Package / CaseTO-251-3 Stub Leads, IPak	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package TO-251 Package / Case TO-251-3 Stub Leads, IPak	Power Dissipation (Max)	41W (Tc)
Mounting Type Through Hole Supplier Device Package TO-251 Package / Case TO-251-3 Stub Leads, IPak	Rds On (Max) @ Id, Vgs	1.3 Ohm @ 2.5A, 10V
Supplier Device Package TO-251 Package / Case TO-251-3 Stub Leads, IPak	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-251-3 Stub Leads, IPak	Mounting Type	Through Hole
	Supplier Device Package	TO-251
Report errors?	Package / Case	TO-251-3 Stub Leads, IPak
		Report errors?

DMJ70H1D3SI3 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.

DMJ70H1D3SI3 Payment Methods



















DMJ70H1D3SI3 Shipping Methods













If you have any question about DMJ70H1D3SI3, please do not hesitate to contact us!

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