



MMIX1F180N25T Information

Heisener.com

Part Number MMIX1F180N25T

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 250V 130A SMPD

Package 24-PowerSMD, 21 Leads

For the pricing/inventory/lead time, please contact

us

For Reference Only

Website: https://www.heisener.com

E-mail: salesdept@heisener.com



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Certified Quality

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MMIX1F180N25T Specifications

Manufacturer Part Number MMIXIFI80N25T Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package 24-PowerSMD, 21 Leads Series GigaMOS?, HiperFET?, TrenchT2? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 250V Current - Continuous Drain (Id) @ 25°C 132A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 364nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 23800pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 570W (Tc) Rds On (Max) @ Id, Vgs 13 mOhm @ 90A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SMPD Package / Case 24-PowerSMD, 21 Leads		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single 24-PowerSMD, 21 Leads Series GigaMOS?, HiperFET?, TrenchT2? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 250V Current - Continuous Drain (Id) @ 25°C 132A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id Source (Qg) (Max) @ Vgs 364nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 23800pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13 mOhm @ 90A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SMPD Package / Case	Manufacturer Part Number	MMIX1F180N25T
Package 24-PowerSMD, 21 Leads Series GigaMOS?, HiperFET?, TrenchT2? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 250V Current - Continuous Drain (Id) @ 25°C 132A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 364nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 23800pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 570W (Tc) Rds On (Max) @ Id, Vgs 13 mOhm @ 90A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SMPD Package / Case 24-PowerSMD, 21 Leads	Manufacturer	IXYS
Package 24-PowerSMD, 21 Leads Series GigaMOS?, HiperFET?, TrenchT2? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 250V Current - Continuous Drain (Id) @ 25°C 132A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 364nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2380pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 570W (Tc) Rds On (Max) @ Id, Vgs 13 mOhm @ 90A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SMPD Package / Case 24-PowerSMD, 21 Leads	Category	Discrete Semiconductor Products
Series GigaMOS?, HiperFET?, TrenchT2? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 250V Current - Continuous Drain (Id) @ 25°C 132A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 364nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 23800pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 570W (Tc) Rds On (Max) @ Id, Vgs 13 mOhm @ 90A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SMPD Package / Case 2540 SHEAT STOR (TrenchT2? Rosen A. Channel MOSFET (Metal Oxide) ANOSFET (Metal Oxide) 550V To Surface Mount Surface Mount Surface Mount Supplier Device Package 24-PowerSMD, 21 Leads		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 132A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 364nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 23800pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 570W (Tc) Rds On (Max) @ Id, Vgs 13 mOhm @ 90A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 24-PowerSMD, 21 Leads	Package	24-PowerSMD, 21 Leads
Technology Drain to Source Voltage (Vdss) 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 Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 250V MOSFET (Metal Oxide) 250V 132A (Tc) 132A	Series	GigaMOS?, HiperFET?, TrenchT2?
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id SV @ 8mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case 250V 132A (Tc) 143C (Tc) 143C (Tc) 154C (Tu) 15	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 23800pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13 mOhm @ 90A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case 24-PowerSMD, 21 Leads	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) **ET Feature** Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13 mOhm @ 90A, 10V Operating Temperature **Operating Temperature** Mounting Type Surface Mount Supplier Device Package Package / Case **Ox @ 8mA 364nC @ 10V 23800pF @ 25V **EDV **EDV **Ox @ 10V **Ox	Drain to Source Voltage (Vdss)	250V
Vgs(th) (Max) @ Id 5V @ 8mA Gate Charge (Qg) (Max) @ Vgs 364nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 23800pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 570W (Tc) Rds On (Max) @ Id, Vgs 13 mOhm @ 90A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SMPD Package / Case 24-PowerSMD, 21 Leads	Current - Continuous Drain (Id) @ 25°C	132A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 23800pF @ 25V Vgs (Max) ±20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 13 mOhm @ 90A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SMPD Package / Case 24-PowerSMD, 21 Leads	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 23800pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) S70W (Tc) Rds On (Max) @ Id, Vgs 13 mOhm @ 90A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SMPD Package / Case 24-PowerSMD, 21 Leads	Vgs(th) (Max) @ Id	5V @ 8mA
Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 570W (Tc) Rds On (Max) @ Id, Vgs 13 mOhm @ 90A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SMPD Package / Case 24-PowerSMD, 21 Leads	Gate Charge (Qg) (Max) @ Vgs	364nC @ 10V
FET Feature - Power Dissipation (Max) 570W (Tc) Rds On (Max) @ Id, Vgs 13 mOhm @ 90A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SMPD Package / Case 24-PowerSMD, 21 Leads	Input Capacitance (Ciss) (Max) @ Vds	23800pF @ 25V
Power Dissipation (Max) 570W (Tc) Rds On (Max) @ Id, Vgs 13 mOhm @ 90A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SMPD Package / Case 24-PowerSMD, 21 Leads	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs13 mOhm @ 90A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageSMPDPackage / Case24-PowerSMD, 21 Leads	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package SMPD Package / Case 24-PowerSMD, 21 Leads	Power Dissipation (Max)	570W (Tc)
Mounting Type Surface Mount Supplier Device Package SMPD Package / Case 24-PowerSMD, 21 Leads	Rds On (Max) @ Id, Vgs	13 mOhm @ 90A, 10V
Supplier Device Package SMPD Package / Case 24-PowerSMD, 21 Leads	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case 24-PowerSMD, 21 Leads	Mounting Type	Surface Mount
	Supplier Device Package	SMPD
Report errors?	Package / Case	24-PowerSMD, 21 Leads
		Report errors?

MMIX1F180N25T 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.

MMIX1F180N25T Payment Methods



















MMIX1F180N25T Shipping Methods













If you have any question about MMIX1F180N25T, please do not hesitate to contact us!

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