



## **IXTY64N055T Information**



For Reference Only

Part Number IXTY64N055T

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 55V 64A TO-252

Package TO-252-3, DPak (2 Leads + Tab), SC-63

For the pricing/inventory/lead time, please contact

us

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



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# **IXTY64N055T Specifications**

Manufacturer Part Number         IXTY64N055T           Manufacturer         IXYS           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         TrenchMV?           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         55V           Current - Continuous Drain (Id) @ 25°C         64A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 25μA           Gate Charge (Qg) (Max) @ Vgs         37nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         1420pF @ 25V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         130W (Tc)           Rds On (Max) @ Id, Vgs         13 mOhm @ 500mA, 10V           Operating Temperature         -55°C ~ 175°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-252           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63		
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SeriesTrenchMV?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)55VCurrent - Continuous Drain (Id) @ 25°C64A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 25μAGate Charge (Qg) (Max) @ Vgs37nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1420pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)130W (Tc)Rds On (Max) @ Id, Vgs13 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET Type  N-Channel  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  55V  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  13 mOhm @ 500mA, 10V  Operating Temperature  Supplier Device Package  TO-252  Package / Case  N-Channel  Abose FET (Metal Oxide)  55V  64A (Tc)  6	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
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 13 mOhm @ 500mA, 10V  Operating Temperature Supplier Device Package Package / Case  MOSFET (Metal Oxide)  55V  MOSFET (Metal Oxide)  55V  64A (Tc)	Series	TrenchMV?
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Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 25μAGate Charge (Qg) (Max) @ Vgs37nC @ 10VInput Capacitance (Ciss) (Max) @ Vds1420pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)130W (Tc)Rds On (Max) @ Id, Vgs13 mOhm @ 500mA, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	55V
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Operating Temperature  -55°C ~ 175°C (TJ)  Mounting Type  Surface Mount  TO-252  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	130W (Tc)
Mounting Type Surface Mount Supplier Device Package TO-252 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	13 mOhm @ 500mA, 10V
Supplier Device Package TO-252 Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Mounting Type	Surface Mount
	Supplier Device Package	TO-252
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

### **IXTY64N055T 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.

## **IXTY64N055T Payment Methods**





















## **IXTY64N055T Shipping Methods**













If you have any question about IXTY64N055T, please do not hesitate to contact us!

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