



### **IXTY01N100D Information**



For Reference Only

Part Number IXTY01N100D

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 1000V 0.1A TO-252AA **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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# **Certified Quality**

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# **IXTY01N100D Specifications**

Manufacturer Part Number         IXTY01N100D           Manufacturer         IXYS           Category         Discrete Semiconductor Products		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1000V Current - Continuous Drain (Id) @ 25°C 100mA (Tc) Drive Voltage (Max Rds On, Min Rds On) - Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs - Input Capacitance (Ciss) (Max) @ Vds 120pF @ 25V Vgs (Max) + 20V FET Feature Depletion Mode Power Dissipation (Max) 1.1W (Ta), 25W (Tc) Rds On (Max) @ Id, Vgs 110 Ohm @ 50mA, 0V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	IXTY01N100D
Package         To-252-3, DPak (2 Leads + Tab), SC-63           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         1000V           Current - Continuous Drain (Id) @ 25°C         100mA (Tc)           Drive Voltage (Max Rds On, Min Rds On)         -           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         -           Input Capacitance (Ciss) (Max) @ Vds         120pF @ 25V           Vgs (Max)         ±20V           FET Feature         Depletion Mode           Power Dissipation (Max)         1.1W (Ta), 25W (Tc)           Rds On (Max) @ Id, Vgs         110 Ohm @ 50mA, 0V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-252-3, (D-Pak)           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer	IXYS
Package         TO-252-3, DPak (2 Leads + Tab), SC-63           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         1000V           Current - Continuous Drain (Id) @ 25°C         100mA (Tc)           Drive Voltage (Max Rds On, Min Rds On)         -           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         -           Input Capacitance (Ciss) (Max) @ Vds         120pF @ 25V           Vgs (Max)         ±20V           FET Feature         Depletion Mode           Power Dissipation (Max)         1.1W (Ta), 25W (Tc)           Rds On (Max) @ Id, Vgs         110 Ohm @ 50mA, 0V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Surface Mount           Supplier Device Package         TO-252, (D-Pak)           Package / Case         TO-252-3, DPak (2 Leads + Tab), SC-63	Category	Discrete Semiconductor Products
Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 1000V Current - Continuous Drain (Id) @ 25°C 100mA (Tc) Drive Voltage (Max Rds On, Min Rds On) - Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vds 120pF @ 25V Vgs (Max) ±20V FET Feature Depletion Mode Power Dissipation (Max) 1.1W (Ta), 25W (Tc) Rds On (Max) @ Id, Vgs 110 Ohm @ 50mA, 0V Operating Temperature - 55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252-, D-Pak) Package / Case Toother Canada (Package) TO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET Type  Technology  MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss)  1000V  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)  ET Feature  Depletion Mode  Power Dissipation (Max)  All (Vgs  110 Ohm @ 50mA, 0V  Operating Temperature  Supplier Device Package  TO-252, (D-Pak)  Package / Case  N-Channel  NOSFET (Metal Oxide)  1000V  10	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  100mA (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  **E20V  FET Feature  Depletion Mode  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  110 Ohm @ 50mA, 0V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-252, (D-Pak)  Package / Case	Series	-
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  Depletion Mode  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  Depletion Mode  1.1W (Ta), 25W (Tc)  Rds On (Max) @ Id, Vgs  Depletion Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-252, (D-Pak)  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	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  Depletion Mode  Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  110 Ohm @ 50mA, 0V  Operating Temperature  Supplier Device Package  TO-252-3, DPak (2 Leads + Tab), SC-63	Technology	MOSFET (Metal Oxide)
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  Depletion Mode  Power Dissipation (Max)  1.1W (Ta), 25W (Tc)  Rds On (Max) @ Id, Vgs  110 Ohm @ 50mA, 0V  Operating Temperature  Operating Type  Surface Mount  Supplier Device Package  TO-252, (D-Pak)  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	1000V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max)  +20V  FET Feature  Depletion Mode  Power Dissipation (Max)  1.1W (Ta), 25W (Tc)  Rds On (Max) @ Id, Vgs  110 Ohm @ 50mA, 0V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-252, (D-Pak)  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	100mA (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  120pF @ 25V  Vgs (Max)  ±20V  FET Feature  Depletion Mode  Power Dissipation (Max)  1.1W (Ta), 25W (Tc)  Rds On (Max) @ Id, Vgs  110 Ohm @ 50mA, 0V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-252, (D-Pak)  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	-
Input Capacitance (Ciss) (Max) @ Vds  120pF @ 25V  Vgs (Max)  ±20V  FET Feature  Depletion Mode  Power Dissipation (Max)  1.1W (Ta), 25W (Tc)  Rds On (Max) @ Id, Vgs  110 Ohm @ 50mA, 0V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Supplier Device Package  TO-252, (D-Pak)  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	-
Vgs (Max)±20VFET FeatureDepletion ModePower Dissipation (Max)1.1W (Ta), 25W (Tc)Rds On (Max) @ Id, Vgs110 Ohm @ 50mA, 0VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	-
FET Feature Depletion Mode  Power Dissipation (Max) 1.1W (Ta), 25W (Tc)  Rds On (Max) @ Id, Vgs 110 Ohm @ 50mA, 0V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Surface Mount  Supplier Device Package TO-252, (D-Pak)  Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Input Capacitance (Ciss) (Max) @ Vds	120pF @ 25V
Power Dissipation (Max)  1.1W (Ta), 25W (Tc)  Rds On (Max) @ Id, Vgs  110 Ohm @ 50mA, 0V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  TO-252, (D-Pak)  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs110 Ohm @ 50mA, 0VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	Depletion Mode
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Surface Mount  TO-252, (D-Pak)  Package / Case  TO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	1.1W (Ta), 25W (Tc)
Mounting Type Surface Mount Supplier Device Package TO-252, (D-Pak) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	110 Ohm @ 50mA, 0V
Supplier Device Package TO-252, (D-Pak) Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Mounting Type	Surface Mount
	Supplier Device Package	TO-252, (D-Pak)
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

#### **IXTY01N100D 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.

# **IXTY01N100D Payment Methods**



















## **IXTY01N100D Shipping Methods**













If you have any question about IXTY01N100D, please do not hesitate to contact us!

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