



IXTY1R4N60P Information



For Reference Only

Part Number IXTY1R4N60P

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 600V 1.4A D-PAK

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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IXTY1R4N60P Specifications

Manufacturer Part Number IXTY 1R4N60P Manufacturer IXYS Category Discrete Semiconductor Products Fransistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series PolarHV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 1.4A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5.5V @ 25µA Gate Charge (Qg) (Max) @ Vgs 5.2nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 140pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 50W (Tc) Rds On (Max) @ Id, Vgs 9 Ohm @ 700mA, 10V 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		
Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series PolarHV? FET Type N-Channel Technology MOSFET (Metal Oxide) Forain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 1.4A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5.5V @ 25µA Gate Charge (Qg) (Max) @ Vgs 5.2nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 140pF @ 25V Vgs (Max) ### 30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 Ohm @ 700mA, 10V Operating Temperature ### 50°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	IXTY1R4N60P
Package To-252-3, DPak (2 Leads + Tab), SC-63 Series PolarHV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 1.4A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5.5V @ 25μA Gate Charge (Qg) (Max) @ Vgs 5.2nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 140pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 50W (Tc) Rds On (Max) @ Id, Vgs 9 Ohm @ 700mA, 10V 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 PolarHV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 1.4A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5.5V @ 25μA Gate Charge (Qg) (Max) @ Vgs 5.2nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 140pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 50W (Tc) Rds On (Max) @ Id, Vgs 9 Ohm @ 700mA, 10V 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
SeriesPolarHV?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C1.4A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5.5V @ 25μAGate Charge (Qg) (Max) @ Vgs5.2nC @ 10VInput Capacitance (Ciss) (Max) @ Vds140pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)50W (Tc)Rds On (Max) @ Id, Vgs9 Ohm @ 700mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET Type Rechnology MOSFET (Metal Oxide) MOSFET (Metal Oxide) 600V Current - Continuous Drain (Id) @ 25°C 1.4A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 5.5V @ 25µA Gate Charge (Qg) (Max) @ Vgs 1.40pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 Ohm @ 700mA, 10V Operating Temperature Supplier Device Package Package / Case N-Channel N-Channel MOSFET (Metal Oxide) MOSFET (Metal Oxide) 800V 1.4A (Tc) 1.	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 1.4A (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) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case MOSFET (Metal Oxide) 600V 1.4A (Tc) 1.	Series	PolarHV?
Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C1.4A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5.5V @ 25μAGate Charge (Qg) (Max) @ Vgs5.2nC @ 10VInput Capacitance (Ciss) (Max) @ Vds140pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)50W (Tc)Rds On (Max) @ Id, Vgs9 Ohm @ 700mA, 10VOperating 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 Type	N-Channel
Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id S.5V @ 25µA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 Ohm @ 700mA, 10V Operating Temperature Supplier Device Package Package / Case 1.4A (Tc) 1.4C (Tol) 1.4C (Tol) 1.4C (Tol)	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5.5V @ 25μAGate Charge (Qg) (Max) @ Vgs5.2nC @ 10VInput Capacitance (Ciss) (Max) @ Vds140pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)50W (Tc)Rds On (Max) @ Id, Vgs9 Ohm @ 700mA, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-252, (D-Pak)Package / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	600V
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 TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	1.4A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 140pF @ 25V Vgs (Max) ±30V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 Ohm @ 700mA, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-252, (D-Pak) Package / Case 5.2nC @ 10V 140pF @ 25V 50W Fe	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 140pF @ 25V Vgs (Max) ET Feature - Power Dissipation (Max) SoW (Tc) Rds On (Max) @ Id, Vgs 9 Ohm @ 700mA, 10V 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	5.5V @ 25μA
Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 50W (Tc) Rds On (Max) @ Id, Vgs 9 Ohm @ 700mA, 10V 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	Gate Charge (Qg) (Max) @ Vgs	5.2nC @ 10V
FET Feature - Power Dissipation (Max) 50W (Tc) Rds On (Max) @ Id, Vgs 9 Ohm @ 700mA, 10V 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	140pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 Ohm @ 700mA, 10V 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 (Max)	±30V
Rds On (Max) @ Id, Vgs9 Ohm @ 700mA, 10VOperating 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	-
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)	50W (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	9 Ohm @ 700mA, 10V
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?

IXTY1R4N60P 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.

IXTY1R4N60P Payment Methods



















IXTY1R4N60P Shipping Methods













If you have any question about IXTY1R4N60P, please do not hesitate to contact us!

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