



IXTA16N50P Information



For Reference Only

Part Number IXTA16N50P

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 500V 16A D2-PAK

Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB

For the pricing/inventory/lead time, please contact

us

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



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IXTA16N50P Specifications

Manufacturer Part Number IXTA 16N5 0P Manufacturer IXYS Category Discrete Semiconductor Products Fackage To-263-3, D2Pak (2 Leads + Tab), TO-263AB Series PolarHV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 16A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 43nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2250pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 300W (Tc) Rds On (Max) @ Id, Vgs 400 mOhm @ 8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB		
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Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series PolarHV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 500V Current - Continuous Drain (Id) @ 25°C 16A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 43nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2250pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 300W (Tc) Rds On (Max) @ Id, Vgs 400 mOhm @ 8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Category	Discrete Semiconductor Products
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FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C16A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5.5V @ 250μAGate Charge (Qg) (Max) @ Vgs43nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2250pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)300W (Tc)Rds On (Max) @ Id, Vgs400 mOhm @ 8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-263 (IXTA)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
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 Surplier Device Package Package / Case MOSFET (Metal Oxide) 500V 16A (Tc) 16V 25°C @ 250µA 43nC @ 10V 10V 10V 10V 10V 10V 10V 10V	Series	PolarHV?
Drain to Source Voltage (Vdss)500VCurrent - Continuous Drain (Id) @ 25°C16A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5.5V @ 250μAGate Charge (Qg) (Max) @ Vgs43nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2250pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)300W (Tc)Rds On (Max) @ Id, Vgs400 mOhm @ 8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-263 (IXTA)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 16A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5.5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 43nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2250pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 300W (Tc) Rds On (Max) @ Id, Vgs 400 mOhm @ 8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	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 Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Surplier Device Package Package / Case 10V 2250pF @ 25V 2250pF @ 25V 2250pF @ 25V 2250pF @ 25V 2400 mOhm @ 8A, 10V CTO Surface Mount TO-263 (IXTA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drain to Source Voltage (Vdss)	500V
Vgs(th) (Max) @ Id 5.5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 43nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2250pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 300W (Tc) Rds On (Max) @ Id, Vgs 400 mOhm @ 8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	16A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 2250pF @ 25V Vgs (Max) ±30V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 400 mOhm @ 8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 2250pF @ 25V Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 400 mOhm @ 8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs(th) (Max) @ Id	5.5V @ 250μA
Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 300W (Tc) Rds On (Max) @ Id, Vgs 400 mOhm @ 8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Gate Charge (Qg) (Max) @ Vgs	43nC @ 10V
FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 400 mOhm @ 8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Input Capacitance (Ciss) (Max) @ Vds	2250pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 400 mOhm @ 8A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Vgs (Max)	±30V
Rds On (Max) @ Id, Vgs400 mOhm @ 8A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageTO-263 (IXTA)Package / CaseTO-263-3, D2Pak (2 Leads + Tab), TO-263AB	FET Feature	-
Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	300W (Tc)
Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Rds On (Max) @ Id, Vgs	400 mOhm @ 8A, 10V
Supplier Device Package TO-263 (IXTA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Mounting Type	Surface Mount
	Supplier Device Package	TO-263 (IXTA)
Report errors?	Package / Case	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
		Report errors?

IXTA16N50P 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.

IXTA16N50P Payment Methods



















IXTA16N50P Shipping Methods













If you have any question about IXTA16N50P, please do not hesitate to contact us!

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