



IXTA140P05T Information



For Reference Only

Part Number IXTA140P05T

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET P-CH 50V 140A TO-263

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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IXTA140P05T Specifications

Manufacturer Part Number IXTA140P05T Manufacturer IXYS Category Discrete Semiconductor Products Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series TrenchP? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 50V Current - Continuous Drain (Id) @ 25°C 140A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 200nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 298W (Tc) Rds On (Max) @ Id, Vgs 9 mOhm @ 70A, 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		
Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series TrenchP? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 140A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 200nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 70A, 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	Manufacturer Part Number	IXTA140P05T
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Package TO-263-3, D2Pak (2 Leads + Tab), TO-263AB Series TrenchP? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 50V Current - Continuous Drain (Id) @ 25°C 140A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 200nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) #15V FET Feature - Power Dissipation (Max) 298W (Tc) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case	Category	Discrete Semiconductor Products
Series TrenchP? FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 50V Current - Continuous Drain (Id) @ 25°C 140A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 200nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ±15V FET Feature Power Dissipation (Max) 298W (Tc) Rds On (Max) @ Id, Vgs 9 mOhm @ 70A, 10V Operating Temperature 55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case Toology (Max) (Max) (Package) 100 (Max) (Package) 100 (Pack		Transistors - FETs, MOSFETs - Single
FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 50V Current - Continuous Drain (Id) @ 25°C 140A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 200nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 298W (Tc) Rds On (Max) @ Id, Vgs 9 mOhm @ 70A, 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	Package	TO-263-3, D2Pak (2 Leads + Tab), TO-263AB
Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 140A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case MOSFET (Metal Oxide) MOSFET (Metal Oxide) MOSFET (Metal Oxide) 50V MOSFET (Metal Oxide) 50V MOSFET (Metal Oxide) 50V FET (Metal Oxide) 50V FET (Metal Oxide) 50V FET (Metal Oxide) 50V FOV 140A (Tc) 140A (Tc) 140V 250μA 20onC @ 10V 13500pF @ 25V 25V 25V 25V 25V 25V 25V 25V	Series	TrenchP?
Drain to Source Voltage (Vdss)50VCurrent - Continuous Drain (Id) @ 25°C140A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs200nC @ 10VInput Capacitance (Ciss) (Max) @ Vds13500pF @ 25VVgs (Max)±15VFET Feature-Power Dissipation (Max)298W (Tc)Rds On (Max) @ Id, Vgs9 mOhm @ 70A, 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	P-Channel
Current - Continuous Drain (Id) @ 25°C 140A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250μA Gate Charge (Qg) (Max) @ Vgs 200nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 298W (Tc) Rds On (Max) @ Id, Vgs 9 mOhm @ 70A, 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 -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case 100 4V @ 250μA 50μOR 20nC @ 10V 13500pF @ 25V 25V 25V 25V 25V 25V 26V 27V 29 mOhm @ 70A, 10V 29 mOhm @ 70A, 10V 29 mOhm @ 70A, 10V 20 mohm @ 70A	Drain to Source Voltage (Vdss)	50V
Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case 4V @ 250μA 50μOnC @ 10V 13500pF @ 25V 298W (Tc) 70-263-3, D2Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	140A (Tc)
Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ±15V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 70A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case 200nC @ 10V 13500pF @ 25V ±15V FET Feature - Supplier Quantity (Tc) Surface Mount TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds 13500pF @ 25V Vgs (Max) ±15V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 70A, 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	4V @ 250μA
Vgs (Max) ±15V FET Feature - Power Dissipation (Max) 298W (Tc) Rds On (Max) @ Id, Vgs 9 mOhm @ 70A, 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	200nC @ 10V
FET Feature - Power Dissipation (Max) 298W (Tc) Rds On (Max) @ Id, Vgs 9 mOhm @ 70A, 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	13500pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 9 mOhm @ 70A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package TO-263 (IXTA) Package / Case 298W (Tc) 9 mOhm @ 70A, 10V -55°C ~ 150°C (TJ) Surface Mount TO-263 (IXTA)	Vgs (Max)	±15V
Rds On (Max) @ Id, Vgs9 mOhm @ 70A, 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 TO-263 (IXTA) Package / Case TO-263-3, D2Pak (2 Leads + Tab), TO-263AB	Power Dissipation (Max)	298W (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	9 mOhm @ 70A, 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?

IXTA140P05T 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.

IXTA140P05T Payment Methods



















IXTA140P05T Shipping Methods













If you have any question about IXTA140P05T, please do not hesitate to contact us!

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