



IXTV30N60P Information



For Reference Only

Part Number IXTV30N60P

Manufacturer IXYS

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 600V 30A PLUS220

Package TO-220-3, Short Tab

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









IXTV30N60P Specifications

| Manufacturer Part Number IXTV30N60P Manufacturer IXYS Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3, Short Tab Series PolarHV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250µA Gate Charge (Qg) (Max) @ Vgs 82nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 5050pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 540W (Tc) Rds On (Max) @ Id, Vgs 240 mOhm @ 15A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS220 Package / Case TO-220-3, Short Tab | | |
|--|--|--------------------------------------|
| Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3, Short Tab Series PolarHV? FET Type N-Channel Technology MOSFET (Metal Oxide) Porain 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 Rance (Gay) (Max) @ Vds So50pF @ 25V Vgs (Max) FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Ado (Max) @ Id, Vgs Poperating Temperature Associated to the semiconductor Products To-220-3, Short Tab Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single To-220-3, Short Tab | Manufacturer Part Number | IXTV30N60P |
| Package TO-220-3, Short Tab Series PolarHV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 82nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 5050pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 540W (Tc) Rds On (Max) @ Id, Vgs 240 mOhm @ 15A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS220 Package / Case TO-220-3, Short Tab | Manufacturer | IXYS |
| PackageTO-220-3, Short TabSeriesPolarHV?FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C30A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs82nC @ 10VInput Capacitance (Ciss) (Max) @ Vds5050pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)540W (Tc)Rds On (Max) @ Id, Vgs240 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePLUS220Package / CaseTO-220-3, Short Tab | Category | Discrete Semiconductor Products |
| Series PolarHV? FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 600V Current - Continuous Drain (Id) @ 25°C 30A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 5V @ 250μA Gate Charge (Qg) (Max) @ Vgs 82nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 5050pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 540W (Tc) Rds On (Max) @ Id, Vgs 240 mOhm @ 15A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS220 Package / Case TO-220-3, Short Tab | | Transistors - FETs, MOSFETs - Single |
| FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600 VCurrent - Continuous Drain (Id) @ 25°C30A (Tc)Drive Voltage (Max Rds On, Min Rds On)10 VVgs(th) (Max) @ Id5 V @ 250μAGate Charge (Qg) (Max) @ Vgs82nC @ 10 VInput Capacitance (Ciss) (Max) @ Vds5050pF @ 25 VVgs (Max)±30 VFET Feature-Power Dissipation (Max)540W (Tc)Rds On (Max) @ Id, Vgs240 mOhm @ 15A, 10 VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePLUS220Package / CaseTO-220-3, Short Tab | Package | TO-220-3, Short Tab |
| TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)600VCurrent - Continuous Drain (Id) @ 25°C30A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs82nC @ 10VInput Capacitance (Ciss) (Max) @ Vds5050pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)540W (Tc)Rds On (Max) @ Id, Vgs240 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePLUS220Package / CaseTO-220-3, Short Tab | Series | PolarHV? |
| Drain to Source Voltage (Vdss)600 VCurrent - Continuous Drain (Id) @ 25°C30A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs82nC @ 10VInput Capacitance (Ciss) (Max) @ Vds5050pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)540W (Tc)Rds On (Max) @ Id, Vgs240 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePLUS220Package / CaseTO-220-3, Short Tab | FET Type | N-Channel |
| Current - Continuous Drain (Id) @ 25°C30A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs82nC @ 10VInput Capacitance (Ciss) (Max) @ Vds5050pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)540W (Tc)Rds On (Max) @ Id, Vgs240 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePLUS220Package / CaseTO-220-3, Short Tab | Technology | MOSFET (Metal Oxide) |
| Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id5V @ 250μAGate Charge (Qg) (Max) @ Vgs82nC @ 10VInput Capacitance (Ciss) (Max) @ Vds5050pF @ 25VVgs (Max)±30VFET Feature-Power Dissipation (Max)540W (Tc)Rds On (Max) @ Id, Vgs240 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePLUS220Package / CaseTO-220-3, Short Tab | Drain to Source Voltage (Vdss) | 600V |
| Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Roy So50pF @ 25V 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 Through Hole Supplier Device Package Package / Case TO-220-3, Short Tab | Current - Continuous Drain (Id) @ 25°C | 30A (Tc) |
| Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds 5050pF @ 25V Vgs (Max) ±30V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 240 mOhm @ 15A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS220 Package / Case TO-220-3, Short Tab | Drive Voltage (Max Rds On, Min Rds On) | 10V |
| Input Capacitance (Ciss) (Max) @ Vds 5050pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 240 mOhm @ 15A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS220 Package / Case TO-220-3, Short Tab | Vgs(th) (Max) @ Id | 5V @ 250μA |
| Vgs (Max) ±30V FET Feature - Power Dissipation (Max) 540W (Tc) Rds On (Max) @ Id, Vgs 240 mOhm @ 15A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS220 Package / Case TO-220-3, Short Tab | Gate Charge (Qg) (Max) @ Vgs | 82nC @ 10V |
| FET Feature - FET Feature - S40W (Tc) Rds On (Max) @ Id, Vgs | Input Capacitance (Ciss) (Max) @ Vds | 5050pF @ 25V |
| Power Dissipation (Max) Rds On (Max) @ Id, Vgs 240 mOhm @ 15A, 10V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS220 Package / Case TO-220-3, Short Tab | Vgs (Max) | ±30V |
| Rds On (Max) @ Id, Vgs240 mOhm @ 15A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackagePLUS220Package / CaseTO-220-3, Short Tab | FET Feature | - |
| Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Supplier Device Package PLUS220 Package / Case TO-220-3, Short Tab | Power Dissipation (Max) | 540W (Tc) |
| Mounting Type Through Hole Supplier Device Package PLUS220 Package / Case TO-220-3, Short Tab | Rds On (Max) @ Id, Vgs | 240 mOhm @ 15A, 10V |
| Supplier Device Package PLUS220 Package / Case TO-220-3, Short Tab | Operating Temperature | -55°C ~ 150°C (TJ) |
| Package / Case TO-220-3, Short Tab | Mounting Type | Through Hole |
| | Supplier Device Package | PLUS220 |
| Report errors? | Package / Case | TO-220-3, Short Tab |
| | | Report errors? |

IXTV30N60P 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.

IXTV30N60P Payment Methods



















IXTV30N60P Shipping Methods













If you have any question about IXTV30N60P, please do not hesitate to contact us!

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