



STD30PF03LT4 Information



For Reference Only

Part Number STD30PF03LT4
Manufacturer STMicroelectronics

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET P-CH 30V 24A DPAK

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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STD30PF03LT4 Specifications

| Manufacturer Part Number STD30PF03LT4 Manufacturer STMicroelectronics Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series STripFET? II FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V, 10V Vgs(th) (Max) @ Id 1V @ 250µA Gate Charge (Qg) (Max) @ Vgs 28nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 1670pF @ 25V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 70W (Tc) Rds On (Max) @ Id, Vgs 28 mOhm @ 12A, 10V Operating Temperature 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | | |
|---|--|---------------------------------------|
| CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63SeriesSTripFET? IIFET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id1V @ 250µAGate Charge (Qg) (Max) @ Vgs28nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1670pF @ 25VVgs (Max)±16VFET Feature-Power Dissipation (Max)70W (Tc)Rds On (Max) @ Id, Vgs28 mOhm @ 12A, 10VOperating Temperature175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63 | Manufacturer Part Number | STD30PF03LT4 |
| Package TO-252-3, DPak (2 Leads + Tab), SC-63 Series STripFET? II FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V, 10V Vgs(th) (Max) @ Id 1V @ 250μA Gate Charge (Qg) (Max) @ Vgs 28nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 1670pF @ 25V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 70W (Tc) Rds On (Max) @ Id, Vgs 28 mOhm @ 12A, 10V Operating Temperature 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Manufacturer | STMicroelectronics |
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| Series STripFET? II FET Type P-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) 5V, 10V Vgs(th) (Max) @ Id 1V @ 250µA Gate Charge (Qg) (Max) @ Vgs 28nC @ 5V Input Capacitance (Ciss) (Max) @ Vds 1670pF @ 25V Vgs (Max) ±16V FET Feature Power Dissipation (Max) 70W (Tc) Rds On (Max) @ Id, Vgs 28 mOhm @ 12A, 10V Operating Temperature 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case 1000 | | Transistors - FETs, MOSFETs - Single |
| FET TypeP-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs28nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1670pF @ 25VVgs (Max)±16VFET Feature-Power Dissipation (Max)70W (Tc)Rds On (Max) @ Id, Vgs28 mOhm @ 12A, 10VOperating Temperature175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63 | Package | TO-252-3, DPak (2 Leads + Tab), SC-63 |
| Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 24A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1670pF @ 25V Input Capacitance (Ciss) (Max) @ Vds 1670pF @ 25V Vgs (Max) FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 28 mOhm @ 12A, 10V Operating Temperature 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Series | STripFET? II |
| Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C24A (Tc)Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs28nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1670pF @ 25VVgs (Max)±16VFET Feature-Power Dissipation (Max)70W (Tc)Rds On (Max) @ Id, Vgs28 mOhm @ 12A, 10VOperating Temperature175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63 | FET Type | P-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 Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case 24A (Tc) 25V 25V 25V 28mC @ 5V 1670pF @ 25V 25V 25V 26V 27 (To) 28 mOhm @ 12A, 10V 29 mounting Type Surface Mount Supplier Device Package D-Pak TO-252-3, DPak (2 Leads + Tab), SC-63 | Technology | MOSFET (Metal Oxide) |
| Drive Voltage (Max Rds On, Min Rds On)5V, 10VVgs(th) (Max) @ Id1V @ 250μAGate Charge (Qg) (Max) @ Vgs28nC @ 5VInput Capacitance (Ciss) (Max) @ Vds1670pF @ 25VVgs (Max)±16VFET Feature-Power Dissipation (Max)70W (Tc)Rds On (Max) @ Id, Vgs28 mOhm @ 12A, 10VOperating Temperature175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63 | Drain to Source Voltage (Vdss) | 30V |
| Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +16V FET Feature - Power Dissipation (Max) Ags (Max) Toward (Tg) Rds On (Max) @ Id, Vgs Poperating Temperature 175°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case To-252-3, DPak (2 Leads + Tab), SC-63 | Current - Continuous Drain (Id) @ 25°C | 24A (Tc) |
| Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +16V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 28 mOhm @ 12A, 10V Operating Temperature 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Drive Voltage (Max Rds On, Min Rds On) | 5V, 10V |
| Input Capacitance (Ciss) (Max) @ Vds 1670pF @ 25V Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 70W (Tc) Rds On (Max) @ Id, Vgs 28 mOhm @ 12A, 10V Operating Temperature 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Vgs(th) (Max) @ Id | 1V @ 250μA |
| Vgs (Max) ±16V FET Feature - Power Dissipation (Max) 70W (Tc) Rds On (Max) @ Id, Vgs 28 mOhm @ 12A, 10V Operating Temperature 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Gate Charge (Qg) (Max) @ Vgs | 28nC @ 5V |
| FET Feature - Tower Dissipation (Max) 70W (Tc) Rds On (Max) @ Id, Vgs 28 mOhm @ 12A, 10V Operating Temperature 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Input Capacitance (Ciss) (Max) @ Vds | 1670pF @ 25V |
| Power Dissipation (Max) Rds On (Max) @ Id, Vgs 28 mOhm @ 12A, 10V Operating Temperature 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Vgs (Max) | ±16V |
| Rds On (Max) @ Id, Vgs28 mOhm @ 12A, 10VOperating Temperature175°C (TJ)Mounting TypeSurface MountSupplier Device PackageD-PakPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63 | FET Feature | - |
| Operating Temperature 175°C (TJ) Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Power Dissipation (Max) | 70W (Tc) |
| Mounting Type Surface Mount Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Rds On (Max) @ Id, Vgs | 28 mOhm @ 12A, 10V |
| Supplier Device Package D-Pak Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Operating Temperature | 175°C (TJ) |
| Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63 | Mounting Type | Surface Mount |
| | Supplier Device Package | D-Pak |
| Report errors? | Package / Case | TO-252-3, DPak (2 Leads + Tab), SC-63 |
| | | Report errors? |

STD30PF03LT4 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.

STD30PF03LT4 Payment Methods





















STD30PF03LT4 Shipping Methods













If you have any question about STD30PF03LT4, please do not hesitate to contact us!

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