



PMZ290UNEYL Information



For Reference Only

Part Number PMZ290UNEYL
Manufacturer Nexperia USA Inc.

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 20V 1A

Package SC-101, SOT-883

For the pricing/inventory/lead time, please contact $% \left(\frac{1}{2}\right) =\left(\frac{1}{2}\right) \left(\frac{1}{2}\right)$

us

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



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PMZ290UNEYL Specifications

| Manufacturer Part Number PMZ290UNEYL Manufacturer Nexperia USA Inc. Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package SC-101, SOT-883 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 20V Current - Continuous Drain (Id) @ 25°C 1A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 950mV @ 250μA Gate Charge (Qg) (Max) @ Vgs 0.68nC @ 4.5V Input Capacitance (Ciss) (Max) @ Vds 83pF @ 10V Vgs (Max) ±8 FET Feature - Power Dissipation (Max) 350mW (Ta), 5.43W (Tc) Rds On (Max) @ Id, Vgs 380 mOhm @ 500mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package DFN1006-3 Package / Case SC-101, SOT-883 Report errors? | | |
|---|--|--------------------------------------|
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| FET Type Technology Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 1A (Ta) Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V 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 Surface Mount Supplier Device Package Package / Case N-Channel MOSFET (Metal Oxide) MOSFET (Metal Oxide) 18V, 4.5V 1A (Ta) 1.8V, 4.5V 950mV @ 250µA 968nC @ 4.5V 1.8V 83pF @ 10V 48V 53pF @ 10V 48V 54V 55°C ~ 150°C 500mA, 4.5V 500mA, | Package | SC-101, SOT-883 |
| TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C1A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id950mV @ 250μAGate Charge (Qg) (Max) @ Vgs0.68nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds83pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)350mW (Ta), 5.43W (Tc)Rds On (Max) @ Id, Vgs380 mOhm @ 500mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDFN1006-3Package / CaseSC-101, SOT-883 | Series | - |
| Drain to Source Voltage (Vdss)20VCurrent - Continuous Drain (Id) @ 25°C1A (Ta)Drive Voltage (Max Rds On, Min Rds On)1.8V, 4.5VVgs(th) (Max) @ Id950mV @ 250μAGate Charge (Qg) (Max) @ Vgs0.68nC @ 4.5VInput Capacitance (Ciss) (Max) @ Vds83pF @ 10VVgs (Max)±8VFET Feature-Power Dissipation (Max)350mW (Ta), 5.43W (Tc)Rds On (Max) @ Id, Vgs380 mOhm @ 500mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDFN1006-3Package / CaseSC-101, SOT-883 | FET Type | N-Channel |
| Current - Continuous Drain (Id) @ 25°C Drive Voltage (Max Rds On, Min Rds On) 1.8V, 4.5V Vgs(th) (Max) @ Id 950mV @ 250μA Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) +8V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 350mW (Ta), 5.43W (Tc) Rds On (Max) @ Id, Vgs 380 mOhm @ 500mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package DFN1006-3 Package / Case SC-101, SOT-883 | Technology | MOSFET (Metal Oxide) |
| Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id 950mV @ 250μA Gate Charge (Qg) (Max) @ Vgs 1nput Capacitance (Ciss) (Max) @ Vds Vgs (Max) ±8V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 380 mOhm @ 500mA, 4.5V Operating Temperature Surplier Device Package Package / Case 1.8V, 4.5V 950mV @ 250μA 83pF @ 10V 250μA 83pF @ 10V 28V 28V 750 (TI) Surface Mount Surface Mount SUPPN1006-3 Package / Case SC-101, SOT-883 | Drain to Source Voltage (Vdss) | 20V |
| 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 Supplier Device Package Package / Case 950mV @ 250μA 950mV @ 250μA 960mV @ 250μA 960mV @ 4.5V 83pF @ 10V **E8V **E8V | Current - Continuous Drain (Id) @ 25°C | 1A (Ta) |
| Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ETF Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Joperating Type Surface Mount Supplier Device Package Package / Case O.68nC @ 4.5V 83pF @ 10V 25V 83pF @ 10V 28V 28V 28V 290 200 200 200 200 200 200 20 | Drive Voltage (Max Rds On, Min Rds On) | 1.8V, 4.5V |
| 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 SC-101, SOT-883 | Vgs(th) (Max) @ Id | 950mV @ 250μA |
| Vgs (Max) ±8V FET Feature - Power Dissipation (Max) 350mW (Ta), 5.43W (Tc) Rds On (Max) @ Id, Vgs 380 mOhm @ 500mA, 4.5V Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package DFN1006-3 Package / Case SC-101, SOT-883 | Gate Charge (Qg) (Max) @ Vgs | 0.68nC @ 4.5V |
| FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Surface Mount Supplier Device Package Package / Case | Input Capacitance (Ciss) (Max) @ Vds | 83pF @ 10V |
| Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package Package / Case SC-101, SOT-883 | Vgs (Max) | ±8V |
| Rds On (Max) @ Id, Vgs380 mOhm @ 500mA, 4.5VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeSurface MountSupplier Device PackageDFN1006-3Package / CaseSC-101, SOT-883 | FET Feature | - |
| Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Surface Mount Supplier Device Package DFN1006-3 Package / Case SC-101, SOT-883 | Power Dissipation (Max) | 350mW (Ta), 5.43W (Tc) |
| Mounting Type Surface Mount Supplier Device Package DFN1006-3 Package / Case SC-101, SOT-883 | Rds On (Max) @ Id, Vgs | 380 mOhm @ 500mA, 4.5V |
| Supplier Device Package DFN1006-3 Package / Case SC-101, SOT-883 | Operating Temperature | -55°C ~ 150°C (TJ) |
| Package / Case SC-101, SOT-883 | Mounting Type | Surface Mount |
| | Supplier Device Package | DFN1006-3 |
| Report errors? | Package / Case | SC-101, SOT-883 |
| | | Report errors? |

PMZ290UNEYL 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.

PMZ290UNEYL Payment Methods





















PMZ290UNEYL Shipping Methods













If you have any question about PMZ290UNEYL, please do not hesitate to contact us!

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