



UPA2820T1S-E2-AT Information



For Reference Only

Part Number UPA2820T1S-E2-AT

ManufacturerRenesas Electronics AmericaCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - Single

Description MOSFET N-CH 30V 8HVSON

Package 8-PowerWDFN

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.









UPA2820T1S-E2-AT Specifications

Manufacturer Part NumberUPA2820T1S-E2-ATManufacturerRenesas Electronics AmericaCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackage8-PowerWDFNSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C22A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id-Gate Charge (Qg) (Max) @ Vgs50nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2330pF @ 10VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.5W (Ta), 16W (Tc)Rds On (Max) @ Id, Vgs5.3 mOhm @ 22A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package-		
CategoryDiscrete Semiconductor ProductsPackage8-PowerWDFNSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C22A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id-Gate Charge (Qg) (Max) @ Vgs50nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2330pF @ 10VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.5W (Ta), 16W (Tc)Rds On (Max) @ Id, Vgs5.3 mOhm @ 22A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package-	Manufacturer Part Number	UPA2820T1S-E2-AT
Package 8-PowerWDFN Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 22A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 50nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2330pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.5W (Ta), 16W (Tc) Rds On (Max) @ Id, Vgs 5.3 mOhm @ 22A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package	Manufacturer	Renesas Electronics America
Package8-PowerWDFNSeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)30VCurrent - Continuous Drain (Id) @ 25°C22A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id-Gate Charge (Qg) (Max) @ Vgs50nC @ 10VInput Capacitance (Ciss) (Max) @ Vds2330pF @ 10VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.5W (Ta), 16W (Tc)Rds On (Max) @ Id, Vgs5.3 mOhm @ 22A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package-	Category	Discrete Semiconductor Products
Series - Channel Technology N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 22A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 50nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2330pF @ 10V Vgs (Max) ±20V FET Feature - Charter (Max)		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 30V Current - Continuous Drain (Id) @ 25°C 22A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 50nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2330pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.5W (Ta), 16W (Tc) Rds On (Max) @ Id, Vgs 5.3 mOhm @ 22A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package -	Package	8-PowerWDFN
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 5.3 mOhm @ 22A, 10V Operating Temperature Supplier Device Package MOSFET (Metal Oxide) 30V 22A (Tc) 22A (Tc) 22A (Tc) 22A (Tc) 25D (TU) 50nC @ 10V 2330pF @ 10V 2330pF @ 10V 2330pF @ 10V 5.3 mOhm @ 22A, 10V 5.3 mOhm @ 22A, 10V Coperating Temperature Supplier Device Package	Series	-
Drain to Source Voltage (Vdss) Current - Continuous Drain (Id) @ 25°C 22A (Tc) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) #20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.3 mOhm @ 22A, 10V Operating Temperature Mounting Type Surface Mount Supplier Device Package 22A (Tc) 30V 4.5V, 10V 2330pF @ 10V 2330pF @ 10V 50nC @ 10V 1.5W (Ta), 16W (Tc) 5.3 mOhm @ 22A, 10V Operating Temperature 150°C (TJ) Mounting Type	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 22A (Tc) Drive Voltage (Max Rds On, Min Rds On) 4.5V, 10V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 50nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2330pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.5W (Ta), 16W (Tc) Rds On (Max) @ Id, Vgs 5.3 mOhm @ 22A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package -	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) ETF Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature Mounting Type Surface Mount Supplier Device Package 4.5V, 10V 50nC @ 10V 12330pF @ 10V 4.5V 4.5V 50nC @ 10V 1.5W 1.5W (Ta), 16W (Tc) 5.3 mOhm @ 22A, 10V 5.3 mOhm @ 22A, 10V 5.3 mOhm @ 22A, 10V 5.3 mOhm @ 20A, 10V	Drain to Source Voltage (Vdss)	30V
Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 50nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 2330pF @ 10V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.5W (Ta), 16W (Tc) Rds On (Max) @ Id, Vgs 5.3 mOhm @ 22A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package -	Current - Continuous Drain (Id) @ 25°C	22A (Tc)
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 50nC @ 10V 2330pF @ 10V 2430pF @ 10V 2430pF @ 10V 2530pF @	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) ET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package 2330pF @ 10V 2330pF @ 10V 2330pF @ 10V 230pF @ 10V 240V 50V 50V 50V 50V 50V 50V 50V	Vgs(th) (Max) @ Id	-
Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.5W (Ta), 16W (Tc)Rds On (Max) @ Id, Vgs5.3 mOhm @ 22A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package-	Gate Charge (Qg) (Max) @ Vgs	50nC @ 10V
FET Feature - Power Dissipation (Max) 1.5W (Ta), 16W (Tc) Rds On (Max) @ Id, Vgs 5.3 mOhm @ 22A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package -	Input Capacitance (Ciss) (Max) @ Vds	2330pF @ 10V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 5.3 mOhm @ 22A, 10V Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package -	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs5.3 mOhm @ 22A, 10VOperating Temperature150°C (TJ)Mounting TypeSurface MountSupplier Device Package-	FET Feature	-
Operating Temperature 150°C (TJ) Mounting Type Surface Mount Supplier Device Package -	Power Dissipation (Max)	1.5W (Ta), 16W (Tc)
Mounting Type Surface Mount Supplier Device Package -	Rds On (Max) @ Id, Vgs	5.3 mOhm @ 22A, 10V
Supplier Device Package -	Operating Temperature	150°C (TJ)
	Mounting Type	Surface Mount
	Supplier Device Package	-
Package / Case 8-PowerWDFN	Package / Case	8-PowerWDFN
Report errors?		Report errors?

UPA2820T1S-E2-AT Guarantees



Ouality 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.

UPA2820T1S-E2-AT Payment Methods



















UPA2820T1S-E2-AT Shipping Methods













If you have any question about UPA2820T1S-E2-AT, please do not hesitate to contact us!

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