

NP60N055MUK-S18-AY

NP60N055MUK-S18-AY Information



For Reference Only

Part Number NP60N055MUK-S18-AY
Manufacturer Renesas Electronics America
Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

Description MOSFET N-CH 55V 60A TO-220

Package TO-220-3

For the pricing/inventory/lead time, please contact

us

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



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NP60N055MUK-S18-AY Specifications

Manufacturer Part Number NP60N055MUK-S18-AY Manufacturer Renesas Electronics America Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 55V Current - Continuous Drain (Id) @ 25°C 60A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 63nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 3750pF @ 25V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1.8W (Ta), 105W (Tc) Rds On (Max) @ Id, Vgs 6 mOhm @ 30A, 10V Operating Temperature 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220 Package / Case TO-220-3		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-220-3 Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Torin 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 Ygs (Max) ### 20V #### 20V #### 20V ###	Manufacturer Part Number	NP60N055MUK-S18-AY
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FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)55VCurrent - Continuous Drain (Id) @ 25°C60A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs63nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3750pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.8W (Ta), 105W (Tc)Rds On (Max) @ Id, Vgs6 mOhm @ 30A, 10VOperating Temperature175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220Package / CaseTO-220-3	Package	TO-220-3
TechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)55VCurrent - Continuous Drain (Id) @ 25°C60A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs63nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3750pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.8W (Ta), 105W (Tc)Rds On (Max) @ Id, Vgs6 mOhm @ 30A, 10VOperating Temperature175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220Package / CaseTO-220-3	Series	-
Drain to Source Voltage (Vdss)55VCurrent - Continuous Drain (Id) @ 25°C60A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs63nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3750pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.8W (Ta), 105W (Tc)Rds On (Max) @ Id, Vgs6 mOhm @ 30A, 10VOperating Temperature175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220Package / CaseTO-220-3	FET Type	N-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 6 mOhm @ 30A, 10V Operating Temperature Mounting Type Through Hole Supplier Device Package Package / Case 60A (Tc) 60	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs63nC @ 10VInput Capacitance (Ciss) (Max) @ Vds3750pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)1.8W (Ta), 105W (Tc)Rds On (Max) @ Id, Vgs6 mOhm @ 30A, 10VOperating Temperature175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220Package / CaseTO-220-3	Drain to Source Voltage (Vdss)	55V
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 175°C (TJ) Mounting Type Supplier Device Package Package / Case 4V @ 250μA 63nC @ 10V 175°C (10V 175°C (TJ) Through Hole TO-220 TO-220-3	Current - Continuous Drain (Id) @ 25°C	60A (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 Input Capacitance (Ciss) (Max) @ Vds 1.8W (Ta), 105W (Tc) 6 mOhm @ 30A, 10V Through Hole Supplier Device Package TO-220 Package / Case TO-220-3	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds Vgs (Max) E20V FET Feature Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6 mOhm @ 30A, 10V Operating Temperature 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220 Package / Case TO-220-3	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)1.8W (Ta), 105W (Tc)Rds On (Max) @ Id, Vgs6 mOhm @ 30A, 10VOperating Temperature175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220Package / CaseTO-220-3	Gate Charge (Qg) (Max) @ Vgs	63nC @ 10V
FET Feature - Rower Dissipation (Max) 1.8W (Ta), 105W (Tc) Rds On (Max) @ Id, Vgs 6 mOhm @ 30A, 10V Operating Temperature 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220 Package / Case TO-220-3	Input Capacitance (Ciss) (Max) @ Vds	3750pF @ 25V
Power Dissipation (Max) Rds On (Max) @ Id, Vgs 6 mOhm @ 30A, 10V Operating Temperature 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220 Package / Case TO-220-3	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs6 mOhm @ 30A, 10VOperating Temperature175°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-220Package / CaseTO-220-3	FET Feature	-
Operating Temperature 175°C (TJ) Mounting Type Through Hole Supplier Device Package TO-220 Package / Case TO-220-3	Power Dissipation (Max)	1.8W (Ta), 105W (Tc)
Mounting Type Through Hole Supplier Device Package TO-220 Package / Case TO-220-3	Rds On (Max) @ Id, Vgs	6 mOhm @ 30A, 10V
Supplier Device Package TO-220 Package / Case TO-220-3	Operating Temperature	175°C (TJ)
Package / Case TO-220-3	Mounting Type	Through Hole
	Supplier Device Package	TO-220
Report errors?	Package / Case	TO-220-3
		Report errors?

NP60N055MUK-S18-AY 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.

NP60N055MUK-S18-AY Payment Methods





















NP60N055MUK-S18-AY Shipping Methods













If you have any question about NP60N055MUK-S18-AY, please do not hesitate to contact us!

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