

# NVD5490NLT4G-VF01

### NVD5490NLT4G-VF01 Information

www.noisener.com	 NVD5490NLT4G-VF01 ON Semiconductor Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single MOSFET N-CH 60V 17A DPAK TO-252-3, DPak (2 Leads + Tab), SC-63 For the pricing/inventory/lead time, please contact	
For Reference Only	us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

# **Certified Quality**

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# NVD5490NLT4G-VF01 Specifications

ManufacturerON SemiconductorCategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO - 252-3, DPak (2 Leads + Tab), SC-63Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C5A (Ta), 17A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250µAGate Charge (Qg) (Max) @ Vds365pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.4W (Ta), 49W (Tc)Rds On (Max) @ Id, Vgs64 mOhm @ 9A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAK		
CategoryDiscrete Semiconductor ProductsTransistors - FETs, MOSFETs - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C5A (Ta), 17A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250µAGate Charge (Qg) (Max) @ Vgs14nC @ 10VInput Capacitance (Ciss) (Max) @ Vds565F @ 25VVgs (Max)-FET Feature-Power Dissipation (Max)3.4W (Ta), 49W (Tc)Rds On (Max) @ Id, Vgs64 mOhm @ 9A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer Part Number	NVD5490NLT4G-VF01
Transistors - FETs, MOSFETs - SinglePackageTO-252-3, DPak (2 Leads + Tab), SC-63Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss) $60V$ Current - Continuous Drain (Id) @ 25°C $5A$ (Ta), 17A (Tc)Drive Voltage (Max Rds On, Min Rds On) $4.5V, 10V$ Vgs(th) (Max) @ Id $2.5V @ 250\mu A$ Gate Charge (Qg) (Max) @ Vgs $14nC @ 10V$ Input Capacitance (Ciss) (Max) @ Vds $365pF @ 25V$ Vgs (Max) $\pm 20V$ FET Feature-Power Dissipation (Max) $3.4W$ (Ta), 49W (Tc)Rds On (Max) @ Id, Vgs $64$ mOhm @ 9A, 10VOperating Temperature $-55°C ~ 175°C$ (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Manufacturer	ON Semiconductor
Package   TO-252-3, DPak (2 Leads + Tab), SC-63     Series   -     FET Type   N-Channel     Technology   MOSFET (Metal Oxide)     Drain to Source Voltage (Vdss)   60V     Current - Continuous Drain (Id) @ 25°C   5A (Ta), 17A (Tc)     Drive Voltage (Max Rds On, Min Rds On)   4.5V, 10V     Vgs(th) (Max) @ Id   2.5V @ 250µA     Gate Charge (Qg) (Max) @ Vgs   14nC @ 10V     Input Capacitance (Ciss) (Max) @ Vds   365pF @ 25V     Vgs (Max)   ±20V     FET Feature   -     Power Dissipation (Max)   3.4W (Ta), 49W (Tc)     Rds On (Max) @ Id, Vgs   64 mOhm @ 9A, 10V     Operating Temperature   -55°C ~ 175°C (TJ)     Mounting Type   Surface Mount     Supplier Device Package   DPAK     Package / Case   TO-252-3, DPak (2 Leads + Tab), SC-63	Category	Discrete Semiconductor Products
Series-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C5A (Ta), 17A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250µAGate Charge (Qg) (Max) @ Vgs14nC @ 10VInput Capacitance (Ciss) (Max) @ Vds365pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.4W (Ta), 49W (Tc)Rds On (Max) @ Id, Vgs64 mOhm @ 9A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C5A (Ta), 17A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250µAGate Charge (Qg) (Max) @ Vgs14nC @ 10VInput Capacitance (Ciss) (Max) @ Vds365pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.4W (Ta), 49W (Tc)Rds On (Max) @ Id, Vgs55°C ~ 175°C (TJ)Operating TemperatureSurface MountOperating TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Technology   MOSFET (Metal Oxide)     Drain to Source Voltage (Vdss)   60V     Current - Continuous Drain (Id) @ 25°C   5A (Ta), 17A (Tc)     Drive Voltage (Max Rds On, Min Rds On)   4.5V, 10V     Vgs(th) (Max) @ Id   2.5V @ 250µA     Gate Charge (Qg) (Max) @ Vgs   14nC @ 10V     Input Capacitance (Ciss) (Max) @ Vds   365pF @ 25V     Vgs (Max)   ±20V     FET Feature   -     Power Dissipation (Max)   3.4W (Ta), 49W (Tc)     Rds On (Max) @ Id, Vgs   64 mOhm @ 9A, 10V     Operating Temperature   -55°C ~ 175°C (TJ)     Mounting Type   Surface Mount     Supplier Device Package   DPAK     Package / Case   TO-252-3, DPak (2 Leads + Tab), SC-63	Series	-
Drain to Source Voltage (Vdss)60VCurrent - Continuous Drain (Id) @ 25°C5A (Ta), 17A (Tc)Drive Voltage (Max Rds On, Min Rds On)4.5V, 10VVgs(th) (Max) @ Id2.5V @ 250µAGate Charge (Qg) (Max) @ Vgs14nC @ 10VInput Capacitance (Ciss) (Max) @ Vds365pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.4W (Ta), 49W (Tc)Rds On (Max) @ Id, Vgs64 mOhm @ 9A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C   5A (Ta), 17A (Tc)     Drive Voltage (Max Rds On, Min Rds On)   4.5V, 10V     Vgs(th) (Max) @ Id   2.5V @ 250µA     Gate Charge (Qg) (Max) @ Vgs   14nC @ 10V     Input Capacitance (Ciss) (Max) @ Vds   365pF @ 25V     Vgs (Max)   ±20V     FET Feature   -     Power Dissipation (Max)   3.4W (Ta), 49W (Tc)     Rds On (Max) @ Id, Vgs   64 mOhm @ 9A, 10V     Operating Temperature   -55°C ~ 175°C (TJ)     Mounting Type   Surface Mount     Supplier Device Package   DPAK     Package / Case   TO-252-3, DPak (2 Leads + Tab), SC-63	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)   4.5V, 10V     Vgs(th) (Max) @ Id   2.5V @ 250µA     Gate Charge (Qg) (Max) @ Vgs   14nC @ 10V     Input Capacitance (Ciss) (Max) @ Vds   365pF @ 25V     Vgs (Max)   ±20V     FET Feature   -     Power Dissipation (Max)   3.4W (Ta), 49W (Tc)     Rds On (Max) @ Id, Vgs   64 mOhm @ 9A, 10V     Operating Temperature   -55°C ~ 175°C (TJ)     Mounting Type   Surface Mount     Supplier Device Package   DPAK     Package / Case   TO-252-3, DPak (2 Leads + Tab), SC-63	Drain to Source Voltage (Vdss)	60V
Vgs(th) (Max) @ Id 2.5V @ 250μA   Gate Charge (Qg) (Max) @ Vgs 14nC @ 10V   Input Capacitance (Ciss) (Max) @ Vds 365pF @ 25V   Vgs (Max) ±20V   FET Feature -   Power Dissipation (Max) 3.4W (Ta), 49W (Tc)   Rds On (Max) @ Id, Vgs 64 mOhm @ 9A, 10V   Operating Temperature -55°C ~ 175°C (TJ)   Mounting Type Surface Mount   Supplier Device Package DPAK   Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	5A (Ta), 17A (Tc)
Gate Charge (Qg) (Max) @ Vgs14nC @ 10VInput Capacitance (Ciss) (Max) @ Vds365pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.4W (Ta), 49W (Tc)Rds On (Max) @ Id, Vgs64 mOhm @ 9A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds365pF @ 25VVgs (Max)±20VFET Feature-Power Dissipation (Max)3.4W (Ta), 49W (Tc)Rds On (Max) @ Id, Vgs64 mOhm @ 9A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Vgs(th) (Max) @ Id	2.5V @ 250µA
Ygs (Max)±20VFET Feature-Power Dissipation (Max)3.4W (Ta), 49W (Tc)Rds On (Max) @ Id, Vgs64 mOhm @ 9A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Gate Charge (Qg) (Max) @ Vgs	14nC @ 10V
FET Feature-Power Dissipation (Max)3.4W (Ta), 49W (Tc)Rds On (Max) @ Id, Vgs64 mOhm @ 9A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Input Capacitance (Ciss) (Max) @ Vds	365pF @ 25V
Power Dissipation (Max)3.4W (Ta), 49W (Tc)Rds On (Max) @ Id, Vgs64 mOhm @ 9A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs64 mOhm @ 9A, 10VOperating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	FET Feature	-
Operating Temperature-55°C ~ 175°C (TJ)Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Power Dissipation (Max)	3.4W (Ta), 49W (Tc)
Mounting TypeSurface MountSupplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Rds On (Max) @ Id, Vgs	64 mOhm @ 9A, 10V
Supplier Device PackageDPAKPackage / CaseTO-252-3, DPak (2 Leads + Tab), SC-63	Operating Temperature	-55°C ~ 175°C (TJ)
Package / Case TO-252-3, DPak (2 Leads + Tab), SC-63	Mounting Type	Surface Mount
	Supplier Device Package	DPAK
Report errors?	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
		Report errors?

#### NVD5490NLT4G-VF01 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.

DISCOVER

#### NVD5490NLT4G-VF01 Payment Methods



## NVD5490NLT4G-VF01 Shipping Methods



If you have any question about NVD5490NLT4G-VF01, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com