



### JAN2N6764T1 Information

Heisener.com

Part Number JAN2N6764T1

Manufacturer Microsemi Corporation

Category Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH TO-254AA

**Package** TO-254-3, TO-254AA (Straight Leads)

For the pricing/inventory/lead time, please contact

Website: https://www.heisener.com For Reference Only

E-mail: salesdept@heisener.com



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# **JAN2N6764T1 Specifications**

Manufacturer Part Number         JAN2N6764T1           Manufacturer         Microsemi Corporation           Category         Discrete Semiconductor Products           Transistors - FETs, MOSFETs - Single           Package         TO-254-3, TO-254AA (Straight Leads)           Series         Military, MIL-PRF-19500/543           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         38A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         125nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         -           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         4W (Ta), 150W (Tc)           Rds On (Max) @ Id, Vgs         65 mOhm @ 38A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-254AA           Package / Case         TO-254AA (Straight Leads)		
Category Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single Package TO-254-3, TO-254AA (Straight Leads) Series Military, MIL-PRF-19500/543 FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 38A (Tc) Drive Voltage (Max Rds On, Min Rds On) 10V Vgs(th) (Max) @ Id 4V @ 250µA Gate Charge (Qg) (Max) @ Vgs 125nC @ 10V Input Capacitance (Ciss) (Max) @ Vds - Vgs (Max) ±20V FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 65 mOhm @ 38A, 10V Operating Temperature Mounting Type Through Hole Supplier Device Package TO-254AA Package / Case TO-254AA (Straight Leads)	Manufacturer Part Number	JAN2N6764T1
Package         To-254-3, To-254AA (Straight Leads)           Series         Military, MIL-PRF-19500/543           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         38A (Tc)           Drive Voltage (Max Rds On, Min Rds On)         10V           Vgs(th) (Max) @ Id         4V @ 250μA           Gate Charge (Qg) (Max) @ Vgs         125nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         -           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         4W (Ta), 150W (Tc)           Rds On (Max) @ Id, Vgs         65 mOhm @ 38A, 10V           Operating Temperature         -55°C ~ 150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TO-254AA           Package / Case         TO-254AA (Straight Leads)	Manufacturer	Microsemi Corporation
PackageTO-254-3, TO-254AA (Straight Leads)SeriesMilitary, MIL-PRF-19500/543FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C38A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs125nC @ 10VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20VFET Feature-Power Dissipation (Max)4W (Ta), 150W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 38A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-254AAPackage / CaseTO-254AA (Straight Leads)	Category	Discrete Semiconductor Products
SeriesMilitary, MIL-PRF-19500/543FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C38A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs125nC @ 10VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20VFET Feature-Power Dissipation (Max)4W (Ta), 150W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 38A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-254AAPackage / CaseTO-254AA (Straight Leads)		Transistors - FETs, MOSFETs - Single
FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C38A (Tc)Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs125nC @ 10VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20VFET Feature-Power Dissipation (Max)4W (Ta), 150W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 38A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-254AAPackage / CaseTO-254-3, TO-254AA (Straight Leads)	Package	TO-254-3, TO-254AA (Straight Leads)
Technology  Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  38A (Tc)  Drive Voltage (Max Rds On, Min Rds On)  Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  125nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  - Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  65 mOhm @ 38A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-254AA  Package / Case  Max (Ta), 150W (Tc)  Though Leads)	Series	Military, MIL-PRF-19500/543
Drain to Source Voltage (Vdss)100 VCurrent - Continuous Drain (Id) @ 25°C38A (Tc)Drive Voltage (Max Rds On, Min Rds On)10 VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs125nC @ 10 VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20 VFET Feature-Power Dissipation (Max)4W (Ta), 150W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 38A, 10 VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-254AAPackage / CaseTO-254AA (Straight Leads)	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  Operating Temperature  For Carlow CTJ)  Mounting Type  Through Hole  Supplier Device Package  TO-254AA  Package / Case  38A (Tc)  4V @ 250μA  4V @ 250μA	Technology	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)10VVgs(th) (Max) @ Id4V @ 250μAGate Charge (Qg) (Max) @ Vgs125nC @ 10VInput Capacitance (Ciss) (Max) @ Vds-Vgs (Max)±20VFET Feature-Power Dissipation (Max)4W (Ta), 150W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 38A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-254AAPackage / CaseTO-254-3, TO-254AA (Straight Leads)	Drain to Source Voltage (Vdss)	100V
Vgs(th) (Max) @ Id  Gate Charge (Qg) (Max) @ Vgs  125nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds  - Vgs (Max)  FET Feature  - Power Dissipation (Max)  Adw (Ta), 150W (Tc)  Rds On (Max) @ Id, Vgs  65 mOhm @ 38A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-254AA  Package / Case  TO-254-3, TO-254AA (Straight Leads)	Current - Continuous Drain (Id) @ 25°C	38A (Tc)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  - Vgs (Max)  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  65 mOhm @ 38A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-254AA  Package / Case  125nC @ 10V  - 4W (Ta), 150W (Tc)  65 mOhm @ 38A, 10V  -55°C ~ 150°C (TJ)  Through Hole  TO-254AA	Drive Voltage (Max Rds On, Min Rds On)	10V
Input Capacitance (Ciss) (Max) @ Vds  Vgs (Max) ±20V  FET Feature -  Power Dissipation (Max) 4W (Ta), 150W (Tc)  Rds On (Max) @ Id, Vgs 65 mOhm @ 38A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package TO-254AA  Package / Case TO-254-3, TO-254AA (Straight Leads)	Vgs(th) (Max) @ Id	4V @ 250μA
Vgs (Max)±20VFET Feature-Power Dissipation (Max)4W (Ta), 150W (Tc)Rds On (Max) @ Id, Vgs65 mOhm @ 38A, 10VOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTO-254AAPackage / CaseTO-254-3, TO-254AA (Straight Leads)	Gate Charge (Qg) (Max) @ Vgs	125nC @ 10V
FET Feature -  Power Dissipation (Max) 4W (Ta), 150W (Tc)  Rds On (Max) @ Id, Vgs 65 mOhm @ 38A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package TO-254AA  Package / Case TO-254-3, TO-254AA (Straight Leads)	Input Capacitance (Ciss) (Max) @ Vds	-
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  65 mOhm @ 38A, 10V  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-254AA  Package / Case  TO-254-3, TO-254AA (Straight Leads)	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs 65 mOhm @ 38A, 10V  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package TO-254AA  Package / Case TO-254-3, TO-254AA (Straight Leads)	FET Feature	-
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-254AA  Package / Case  TO-254-3, TO-254AA (Straight Leads)	Power Dissipation (Max)	4W (Ta), 150W (Tc)
Mounting Type Through Hole Supplier Device Package TO-254AA Package / Case TO-254-3, TO-254AA (Straight Leads)	Rds On (Max) @ Id, Vgs	65 mOhm @ 38A, 10V
Supplier Device Package TO-254AA Package / Case TO-254-3, TO-254AA (Straight Leads)	Operating Temperature	-55°C ~ 150°C (TJ)
Package / Case TO-254-3, TO-254AA (Straight Leads)	Mounting Type	Through Hole
	Supplier Device Package	TO-254AA
Report errors?	Package / Case	TO-254-3, TO-254AA (Straight Leads)
*		Report errors?

#### **JAN2N6764T1 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.

### **JAN2N6764T1 Payment Methods**



















## **JAN2N6764T1 Shipping Methods**













If you have any question about JAN2N6764T1, please do not hesitate to contact us!

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