

### SFT1443-H Information

w. Alexaner.com

For Reference Only

Part Number SFT1443-H

Manufacturer ON Semiconductor

**Category** Discrete Semiconductor Products

Transistors - FETs, MOSFETs - Single

**Description** MOSFET N-CH 100V 9A TP

Package TO-251-3 Short Leads, IPak, TO-251AA

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.









# **SFT1443-H Specifications**

Manufacturer Part Number         SFT1443-H           Manufacturer         ON Semiconductor           Category         Discrete Semiconductor Products           Fackage         TO-251-3 Short Leads, IPak, TO-251AA           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         9A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4V, 10V           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         9.8nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         490pF @ 20V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         1W (Ta), 19W (Tc)           Rds On (Max) @ Id, Vgs         225 mOhm @ 3A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TP           Package / Case         TO-251-3 Short Leads, IPak, TO-251AA           Report errors?		
CategoryDiscrete Semiconductor ProductsFackageTO-251-3 Short Leads, IPak, TO-251AASeries-FET TypeN-ChannelTechnologyMOSFET (Metal Oxide)Drain to Source Voltage (Vdss)100VCurrent - Continuous Drain (Id) @ 25°C9A (Ta)Drive Voltage (Max Rds On, Min Rds On)4V, 10VVgs(th) (Max) @ Id-Gate Charge (Qg) (Max) @ Vgs9.8nC @ 10VInput Capacitance (Ciss) (Max) @ Vds490pF @ 20VVgs (Max)±20VFET Feature-Power Dissipation (Max)1W (Ta), 19W (Tc)Rds On (Max) @ Id, Vgs225 mOhm @ 3A, 10VOperating Temperature150°C (TJ)Mounting TypeThrough HoleSupplier Device PackageTPPackage / CaseTO-251-3 Short Leads, IPak, TO-251AA	Manufacturer Part Number	SFT1443-H
Package         Transistors - FETs, MOSFETs - Single           Package         TO-251-3 Short Leads, IPak, TO-251AA           Series         -           FET Type         N-Channel           Technology         MOSFET (Metal Oxide)           Drain to Source Voltage (Vdss)         100V           Current - Continuous Drain (Id) @ 25°C         9A (Ta)           Drive Voltage (Max Rds On, Min Rds On)         4V, 10V           Vgs(th) (Max) @ Id         -           Gate Charge (Qg) (Max) @ Vgs         9.8nC @ 10V           Input Capacitance (Ciss) (Max) @ Vds         490pF @ 20V           Vgs (Max)         ±20V           FET Feature         -           Power Dissipation (Max)         IW (Ta), 19W (Tc)           Rds On (Max) @ Id, Vgs         225 mOhm @ 3A, 10V           Operating Temperature         150°C (TJ)           Mounting Type         Through Hole           Supplier Device Package         TP           Package / Case         TO-251-3 Short Leads, IPak, TO-251AA	Manufacturer	ON Semiconductor
Package TO-251-3 Short Leads, IPak, TO-251AA  Series - FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 9A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4V, 10V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 9.8nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 490pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1W (Ta), 19W (Tc) Rds On (Max) @ Id, Vgs 225 mOhm @ 3A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TP Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Category	Discrete Semiconductor Products
Series - Green - N-Channel - N-Channel - MOSFET (Metal Oxide)  Technology MOSFET (Metal Oxide)  Drain to Source Voltage (Vdss) 100V  Current - Continuous Drain (Id) @ 25°C 9A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 4V, 10V  Vgs(th) (Max) @ Id - Green - Gree		Transistors - FETs, MOSFETs - Single
FET Type N-Channel Technology MOSFET (Metal Oxide) Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 9A (Ta) Drive Voltage (Max Rds On, Min Rds On) 4V, 10V Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 9.8nC @ 10V Input Capacitance (Ciss) (Max) @ Vds 490pF @ 20V Vgs (Max) ±20V FET Feature - Power Dissipation (Max) 1W (Ta), 19W (Tc) Rds On (Max) @ Id, Vgs 225 mOhm @ 3A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TP Package / Case To-251-3 Short Leads, IPak, TO-251AA	Package	TO-251-3 Short Leads, IPak, TO-251AA
Technology Drain to Source Voltage (Vdss) 100V Current - Continuous Drain (Id) @ 25°C 9A (Ta) Drive Voltage (Max Rds On, Min Rds On) Vgs(th) (Max) @ Id Gate Charge (Qg) (Max) @ Vgs 1nput Capacitance (Ciss) (Max) @ Vds Vgs (Max)  FET Feature - Power Dissipation (Max) Rds On (Max) @ Id, Vgs 225 mOhm @ 3A, 10V Operating Temperature Mounting Type Supplier Device Package TP Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Series	-
Drain to Source Voltage (Vdss)  Current - Continuous Drain (Id) @ 25°C  9A (Ta)  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  Mounting Type  Supplier Device Package  TO-251-3 Short Leads, IPak, TO-251AA	FET Type	N-Channel
Current - Continuous Drain (Id) @ 25°C 9A (Ta)  Drive Voltage (Max Rds On, Min Rds On) 4V, 10V  Vgs(th) (Max) @ Id - Gate Charge (Qg) (Max) @ Vgs 9.8nC @ 10V  Input Capacitance (Ciss) (Max) @ Vds 490pF @ 20V  Vgs (Max) ±20V  FET Feature - Power Dissipation (Max) 1W (Ta), 19W (Tc)  Rds On (Max) @ Id, Vgs 225 mOhm @ 3A, 10V  Operating Temperature 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package TP  Package / Case TO-251-3 Short Leads, IPak, TO-251AA	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)  #20V  FET Feature  Power Dissipation (Max)  IW (Ta), 19W (Tc)  Rds On (Max) @ Id, Vgs  225 mOhm @ 3A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TP  Package / Case  TO-251-3 Short Leads, IPak, TO-251AA	Drain to Source Voltage (Vdss)	100V
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  150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TO-251-3 Short Leads, IPak, TO-251AA	Current - Continuous Drain (Id) @ 25°C	9A (Ta)
Gate Charge (Qg) (Max) @ Vgs  Input Capacitance (Ciss) (Max) @ Vds  490pF @ 20V  Vgs (Max)  ±20V  FET Feature  - Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  225 mOhm @ 3A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TP  Package / Case  TO-251-3 Short Leads, IPak, TO-251AA	Drive Voltage (Max Rds On, Min Rds On)	4V, 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  Through Hole  Supplier Device Package  TP  Package / Case  490pF @ 20V  490pF @	Vgs(th) (Max) @ Id	-
Vgs (Max) ±20V  FET Feature -  Power Dissipation (Max) 1W (Ta), 19W (Tc)  Rds On (Max) @ Id, Vgs 225 mOhm @ 3A, 10V  Operating Temperature 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package TP  Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Gate Charge (Qg) (Max) @ Vgs	9.8nC @ 10V
FET Feature - Power Dissipation (Max) 1W (Ta), 19W (Tc) Rds On (Max) @ Id, Vgs 225 mOhm @ 3A, 10V Operating Temperature 150°C (TJ) Mounting Type Through Hole Supplier Device Package TP Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Input Capacitance (Ciss) (Max) @ Vds	490pF @ 20V
Power Dissipation (Max)  Rds On (Max) @ Id, Vgs  225 mOhm @ 3A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TP  Package / Case  TO-251-3 Short Leads, IPak, TO-251AA	Vgs (Max)	±20V
Rds On (Max) @ Id, Vgs  225 mOhm @ 3A, 10V  Operating Temperature  150°C (TJ)  Mounting Type  Through Hole  Supplier Device Package  TP  Package / Case  TO-251-3 Short Leads, IPak, TO-251AA	FET Feature	-
Operating Temperature 150°C (TJ)  Mounting Type Through Hole  Supplier Device Package TP  Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Power Dissipation (Max)	1W (Ta), 19W (Tc)
Mounting Type Through Hole Supplier Device Package TP Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Rds On (Max) @ Id, Vgs	225 mOhm @ 3A, 10V
Supplier Device Package TP Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Operating Temperature	150°C (TJ)
Package / Case TO-251-3 Short Leads, IPak, TO-251AA	Mounting Type	Through Hole
	Supplier Device Package	TP
Report errors?	Package / Case	TO-251-3 Short Leads, IPak, TO-251AA
		Report errors?

#### SFT1443-H 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.

## **SFT1443-H Payment Methods**



















### **SFT1443-H Shipping Methods**













If you have any question about SFT1443-H, please do not hesitate to contact us!

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