

# 2SK3827

#### 2SK3827 Information



Part Number	2SK3827
Manufacturer	ON Semiconductor
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Description	MOSFET N-CH 100V 40A 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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For Reference Only

### **Certified Quality**

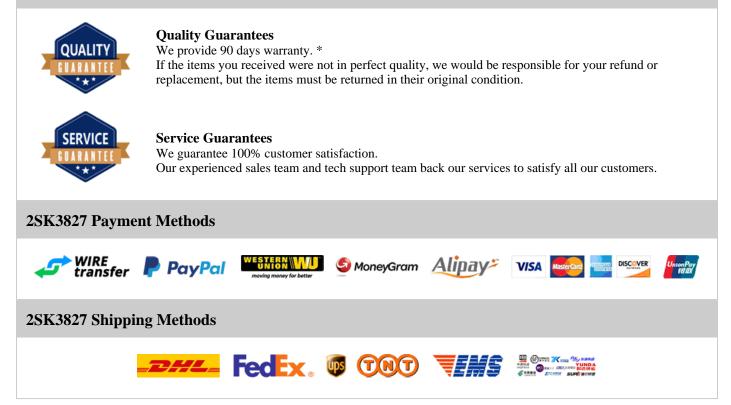
Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



## 2SK3827 Specifications

Manufacturer Part Number	2SK3827
Manufacturer	ON Semiconductor
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)	100V
Current - Continuous Drain (Id) @ 25°C	40A (Ta)
Drive Voltage (Max Rds On, Min Rds On)	4V, 10V
Vgs(th) (Max) @ Id	2.6V @ 1mA
Gate Charge (Qg) (Max) @ Vgs	79nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	4200pF @ 20V
Vgs (Max)	$\pm 20 V$
FET Feature	-
Power Dissipation (Max)	1.75W (Ta), 60W (Tc)
Rds On (Max) @ Id, Vgs	34 mOhm @ 20A, 10V
Operating Temperature	150°C (TJ)
Mounting Type	Through Hole
Supplier Device Package	TO-220
Package / Case	TO-220-3
	Report errors?

#### 2SK3827 Guarantees



If you have any question about 2SK3827, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com