



# CSD17581Q5A Information



For Reference Only

Part Number CSD17581Q5A
Manufacturer Texas Instruments

Category Discrete Semiconductor Products
Transistors - FETs, MOSFETs - Single

**Description** 30V N CH MOSFET

Package 8-PowerTDFN

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.









# CSD17581Q5A Specifications

Manufacturer Part Number	CSD17581Q5A
Manufacturer	Texas Instruments
Category	Discrete Semiconductor Products
	Transistors - FETs, MOSFETs - Single
Package	8-PowerTDFN
Series	NexFET?
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	30V
Current - Continuous Drain (Id) @ 25°C	24A (Ta), 123A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Vgs(th) (Max) @ Id	1.7V @ 250μA
Gate Charge (Qg) (Max) @ Vgs	54nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	3640pF @ 15V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	3.1W (Ta), 83W (Tc)
Rds On (Max) @ Id, Vgs	3.4 mOhm @ 16A, 10V
Operating Temperature	-55°C ~ 155°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	8-VSONP (5x6)
Package / Case	8-PowerTDFN
	Report errors?

### CSD17581Q5A 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.

# CSD17581Q5A Payment Methods



















# CSD17581Q5A Shipping Methods













If you have any question about CSD17581Q5A, please do not hesitate to contact us!

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