

SIR680DP-T1-RE3 Information


For Reference Only

Part Number [SIR680DP-T1-RE3](#)
Manufacturer Vishay Siliconix
Category Discrete Semiconductor Products
[Transistors - FETs, MOSFETs - Single](#)
Description MOSFET N-CH 80V 100A SO8
Package PowerPAK? SO-8
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: salesdept@heisener.com


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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.


SIR680DP-T1-RE3 Specifications

Manufacturer Part Number	SIR680DP-T1-RE3
Manufacturer	Vishay Siliconix
Category	Discrete Semiconductor Products Transistors - FETs, MOSFETs - Single
Package	PowerPAK? SO-8
Series	TrenchFET? Gen IV
FET Type	N-Channel
Technology	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	80V
Current - Continuous Drain (Id) @ 25°C	100A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	7.5V, 10V
Vgs(th) (Max) @ Id	3.4V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	81nC @ 7.5V
Input Capacitance (Ciss) (Max) @ Vds	5150pF @ 40V
Vgs (Max)	±20V
FET Feature	-
Power Dissipation (Max)	104W (Tc)
Rds On (Max) @ Id, Vgs	2.9 mOhm @ 20A, 10V
Operating Temperature	-55°C ~ 150°C (TJ)
Mounting Type	Surface Mount
Supplier Device Package	PowerPAK? SO-8
Package / Case	PowerPAK? SO-8

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SIR680DP-T1-RE3 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.

SIR680DP-T1-RE3 Payment Methods



SIR680DP-T1-RE3 Shipping Methods



If you have any question about SIR680DP-T1-RE3, please do not hesitate to contact us!

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