

# SIR826LDP-T1-RE3 Datasheet



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DiGi Electronics Part Number	SIR826LDP-T1-RE3-DG
Manufacturer	<a href="#">Vishay Siliconix</a>
Manufacturer Product Number	SIR826LDP-T1-RE3
Description	MOSFET N-CH 80V 21.3A/86A PPAK
Detailed Description	N-Channel 80 V 21.3A (Ta), 86A (Tc) 5W (Ta), 83W (Tc) Surface Mount PowerPAK® SO-8

This model SIR826LDP-T1-RE3 is available at DiGi Electronics.

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## Purchase and inquiry

Manufacturer Product Number:

SIR826LDP-T1-RE3

Series:

TrenchFET® Gen IV

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

80 V

Drive Voltage (Max Rds On, Min Rds On):

10V

Vgs(th) (Max) @ Id:

2.4V @ 250µA

Vgs (Max):

±20V

FET Feature:

-

Operating Temperature:

-55°C ~ 150°C (Tj)

Supplier Device Package:

PowerPAK® SO-8

Base Product Number:

SIR826

Manufacturer:

Vishay Siliconix

Product Status:

Active

Technology:

MOSFET (Metal Oxide)

Current - Continuous Drain (Id) @ 25°C:

21.3A (Ta), 86A (Tc)

Rds On (Max) @ Id, Vgs:

5mOhm @ 15A, 10V

Gate Charge (Qg) (Max) @ Vgs:

91 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

3840 pF @ 40 V

Power Dissipation (Max):

5W (Ta), 83W (Tc)

Mounting Type:

Surface Mount

Package / Case:

PowerPAK® SO-8

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

ECCN:

EAR99

Moisture Sensitivity Level (MSL):

1 (Unlimited)

HTSUS:

8541.29.0095

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