

FDU8580 Datasheet



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DiGi Electronics Part Number	FDU8580-DG
Manufacturer	onsemi
Manufacturer Product Number	FDU8580
Description	MOSFET N-CH 20V 35A I-PAK
Detailed Description	N-Channel 20 V 35A (Tc) 49.5W (Tc) Through Hole I-PAK



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Purchase and inquiry

Manufacturer Product Number:

FDU8580

Series:

PowerTrench®

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

20 V

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

4.5V, 10V

Vgs(th) (Max) @ Id:

2.5V @ 250µA

Vgs (Max):

±20V

FET Feature:

-

Operating Temperature:

-55°C ~ 175°C (Tj)

Supplier Device Package:

I-PAK

Base Product Number:

FDU85

Manufacturer:

onsemi

Product Status:

Obsolete

Technology:

MOSFET (Metal Oxide)

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

35A (Tc)

Rds On (Max) @ Id, Vgs:

9mOhm @ 35A, 10V

Gate Charge (Qg) (Max) @ Vgs:

27 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

1445 pF @ 10 V

Power Dissipation (Max):

49.5W (Tc)

Mounting Type:

Through Hole

Package / Case:

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

Environmental & Export classification

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

REACH Status:

REACH Unaffected

HTSUS:

8541.29.0095

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