

# IXFH40N85X Datasheet



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	IXFH40N85X-DG
Manufacturer	<a href="#">IXYS</a>
Manufacturer Product Number	IXFH40N85X
Description	MOSFET N-CH 850V 40A TO247
Detailed Description	N-Channel 850 V 40A (Tc) 860W (Tc) Through Hole TO-247



Tel: +00 852-30501935

RFQ Email: [Info@DiGi-Electronics.com](mailto:Info@DiGi-Electronics.com)

DiGi is a global authorized distributor of electronic components.

## Purchase and inquiry

Manufacturer Product Number:

IXFH40N85X

Series:

HiPerFET™, Ultra X

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

850 V

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

10V

Vgs(th) (Max) @ Id:

5.5V @ 4mA

Vgs (Max):

±30V

FET Feature:

-

Operating Temperature:

-55°C ~ 150°C (Tj)

Supplier Device Package:

TO-247

Base Product Number:

IXFH40

Manufacturer:

IXYS

Product Status:

Active

Technology:

MOSFET (Metal Oxide)

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

40A (Tc)

Rds On (Max) @ Id, Vgs:

145mOhm @ 500mA, 10V

Gate Charge (Qg) (Max) @ Vgs:

98 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

3700 pF @ 25 V

Power Dissipation (Max):

860W (Tc)

Mounting Type:

Through Hole

Package / Case:

TO-247-3

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8541.29.0095

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

## OUR CERTIFICATE

DiGi provide top-quality products and perfect service for customer worldwide through standardization, technological innovation and continuous improvement. DiGi through third-party certification, we stricly control the quality of products and services. Welcome your RFQ to

Email: [Info@DiGi-Electronics.com](mailto:Info@DiGi-Electronics.com)



Tel: +00 852-30501935

RFQ Email: [Info@DiGi-Electronics.com](mailto:Info@DiGi-Electronics.com)

DiGi is a global authorized distributor of electronic components.