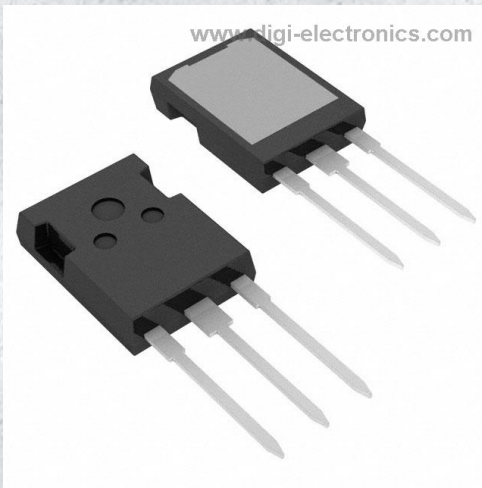


IXFX420N10T Datasheet



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

| | |
|------------------------------|--|
| DiGi Electronics Part Number | IXFX420N10T-DG |
| Manufacturer | IXYS |
| Manufacturer Product Number | IXFX420N10T |
| Description | MOSFET N-CH 100V 420A PLUS247-3 |
| Detailed Description | N-Channel 100 V 420A (Tc) 1670W (Tc) Through Hole PLUS247™-3 |



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

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Purchase and inquiry

Manufacturer Product Number:

IXFX420N10T

Series:

HiPerFET™, Trench

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

100 V

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

10V

Vgs(th) (Max) @ Id:

5V @ 8mA

Vgs (Max):

±20V

FET Feature:

-

Operating Temperature:

-55°C ~ 175°C (Tj)

Supplier Device Package:

PLUS247™-3

Base Product Number:

IXFX420

Manufacturer:

IXYS

Product Status:

Active

Technology:

MOSFET (Metal Oxide)

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

420A (Tc)

Rds On (Max) @ Id, Vgs:

2.6mOhm @ 60A, 10V

Gate Charge (Qg) (Max) @ Vgs:

670 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

47000 pF @ 25 V

Power Dissipation (Max):

1670W (Tc)

Mounting Type:

Through Hole

Package / Case:

TO-247-3 Variant

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8541.29.0095

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

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