

# IXFT30N50Q Datasheet

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DiGi Electronics Part Number	IXFT30N50Q-DG
Manufacturer	<a href="#">IXYS</a>
Manufacturer Product Number	IXFT30N50Q
Description	MOSFET N-CH 500V 30A TO268
Detailed Description	N-Channel 500 V 30A (Tc) 360W (Tc) Surface Mount TO-268AA

This model IXFT30N50Q is available at DiGi Electronics.

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## Purchase and inquiry

Manufacturer Product Number:

IXFT30N50Q

Series:

HiPerFET™

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

500 V

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

10V

Vgs(th) (Max) @ Id:

4.5V @ 4mA

Vgs (Max):

±20V

FET Feature:

-

Operating Temperature:

-55°C ~ 150°C (Tj)

Supplier Device Package:

TO-268AA

Base Product Number:

IXFT30

Manufacturer:

IXYS

Product Status:

Obsolete

Technology:

MOSFET (Metal Oxide)

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

30A (Tc)

Rds On (Max) @ Id, Vgs:

160mOhm @ 15A, 10V

Gate Charge (Qg) (Max) @ Vgs:

190 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

4925 pF @ 25 V

Power Dissipation (Max):

360W (Tc)

Mounting Type:

Surface Mount

Package / Case:

TO-268-3, D<sup>3</sup>Pak (2 Leads + Tab), TO-268AA

## Environmental & Export classification

Moisture Sensitivity Level (MSL):

1 (Unlimited)

HTSUS:

8541.29.0095

ECCN:

EAR99

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