

IXFE44N50Q Datasheet



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DiGi Electronics Part Number	IXFE44N50Q-DG
Manufacturer	IXYS
Manufacturer Product Number	IXFE44N50Q
Description	MOSFET N-CH 500V 39A SOT-227B
Detailed Description	N-Channel 500 V 39A (Tc) 400W (Tc) Chassis Mount SOT-227B



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

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Purchase and inquiry

Manufacturer Product Number:

IXFE44N50Q

Series:

HiPerFET™, Q Class

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

500 V

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

10V

Vgs(th) (Max) @ Id:

4V @ 4mA

Vgs (Max):

±20V

FET Feature:

-

Operating Temperature:

-40°C ~ 150°C (Tj)

Supplier Device Package:

SOT-227B

Base Product Number:

IXFE44

Manufacturer:

IXYS

Product Status:

Obsolete

Technology:

MOSFET (Metal Oxide)

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

39A (Tc)

Rds On (Max) @ Id, Vgs:

120mOhm @ 22A, 10V

Gate Charge (Qg) (Max) @ Vgs:

190 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

7000 pF @ 25 V

Power Dissipation (Max):

400W (Tc)

Mounting Type:

Chassis Mount

Package / Case:

SOT-227-4, miniBLOC

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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