

IXFN100N50Q3 Datasheet



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DiGi Electronics Part Number	IXFN100N50Q3-DG
Manufacturer	IXYS
Manufacturer Product Number	IXFN100N50Q3
Description	MOSFET N-CH 500V 82A SOT227B
Detailed Description	N-Channel 500 V 82A (Tc) 960W (Tc) Chassis Mount SOT-227B



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Purchase and inquiry

Manufacturer Product Number:

IXFN100N50Q3

Series:

HiPerFET™, Q3 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:

6.5V @ 8mA

Vgs (Max):

±30V

FET Feature:

-

Operating Temperature:

-55°C ~ 150°C (Tj)

Supplier Device Package:

SOT-227B

Base Product Number:

IXFN100

Manufacturer:

IXYS

Product Status:

Active

Technology:

MOSFET (Metal Oxide)

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

82A (Tc)

Rds On (Max) @ Id, Vgs:

49mOhm @ 50A, 10V

Gate Charge (Qg) (Max) @ Vgs:

255 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

13800 pF @ 25 V

Power Dissipation (Max):

960W (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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