

# IXFN44N80 Datasheet



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DiGi Electronics Part Number	IXFN44N80-DG
Manufacturer	<a href="#">IXYS</a>
Manufacturer Product Number	IXFN44N80
Description	MOSFET N-CH 800V 44A SOT-227B
Detailed Description	N-Channel 800 V 44A (Tc) 700W (Tc) Chassis Mount SOT-227B



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## Purchase and inquiry

**Manufacturer Product Number:**

IXFN44N80

**Series:**

HiPerFET™

**FET Type:**

N-Channel

**Drain to Source Voltage (Vdss):**

800 V

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

10V

**Vgs(th) (Max) @ Id:**

4.5V @ 8mA

**Vgs (Max):**

±20V

**FET Feature:**

-

**Operating Temperature:**

-55°C ~ 150°C (Tj)

**Supplier Device Package:**

SOT-227B

**Base Product Number:**

IXFN44

**Manufacturer:**

IXYS

**Product Status:**

Not For New Designs

**Technology:**

MOSFET (Metal Oxide)

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

44A (Tc)

**Rds On (Max) @ Id, Vgs:**

165mOhm @ 500mA, 10V

**Gate Charge (Qg) (Max) @ Vgs:**

380 nC @ 10 V

**Input Capacitance (Ciss) (Max) @ Vds:**

10000 pF @ 25 V

**Power Dissipation (Max):**

700W (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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