

# IXFH42N60P3 Datasheet



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DiGi Electronics Part Number	IXFH42N60P3-DG
Manufacturer	<a href="#">IXYS</a>
Manufacturer Product Number	IXFH42N60P3
Description	MOSFET N-CH 600V 42A TO247AD
Detailed Description	N-Channel 600 V 42A (Tc) 830W (Tc) Through Hole TO-247AD (IXFH)



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## Purchase and inquiry

**Manufacturer Product Number:**

IXFH42N60P3

**Series:**

HiPerFET™, Polar3™

**FET Type:**

N-Channel

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

600 V

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

10V

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

5V @ 4mA

**Vgs (Max):**

±30V

**FET Feature:**

-

**Operating Temperature:**

-55°C ~ 150°C (Tj)

**Supplier Device Package:**

TO-247AD (IXFH)

**Base Product Number:**

IXFH42

**Manufacturer:**

IXYS

**Product Status:**

Active

**Technology:**

MOSFET (Metal Oxide)

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

42A (Tc)

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

185mOhm @ 500mA, 10V

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

78 nC @ 10 V

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

5150 pF @ 25 V

**Power Dissipation (Max):**

830W (Tc)

**Mounting Type:**

Through Hole

**Package / Case:**

TO-247-3

## 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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