

# IXFY8N65X2 Datasheet



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DiGi Electronics Part Number	IXFY8N65X2-DG
Manufacturer	<a href="#">IXYS</a>
Manufacturer Product Number	IXFY8N65X2
Description	MOSFET N-CH 650V 8A TO252AA
Detailed Description	N-Channel 650 V 8A (Tc) 150W (Tc) Surface Mount T O-252AA



Tel: +00 852-30501935

RFQ Email: [Info@DiGi-Electronics.com](mailto:Info@DiGi-Electronics.com)

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## Purchase and inquiry

**Manufacturer Product Number:**

IXFY8N65X2

**Series:**

HiPerFET™, Ultra X2

**FET Type:**

N-Channel

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

650 V

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

10V

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

5V @ 250µA

**Vgs (Max):**

±30V

**FET Feature:**

-

**Operating Temperature:**

-55°C ~ 150°C (Tj)

**Supplier Device Package:**

TO-252AA

**Base Product Number:**

IXFY8N65

**Manufacturer:**

IXYS

**Product Status:**

Active

**Technology:**

MOSFET (Metal Oxide)

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

8A (Tc)

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

450mOhm @ 4A, 10V

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

11 nC @ 10 V

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

790 pF @ 25 V

**Power Dissipation (Max):**

150W (Tc)

**Mounting Type:**

Surface Mount

**Package / Case:**

TO-252-3, DPAK (2 Leads + Tab), SC-63

## 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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