

# IXFY30N25X3 Datasheet



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DiGi Electronics Part Number	IXFY30N25X3-DG
Manufacturer	<a href="#">IXYS</a>
Manufacturer Product Number	IXFY30N25X3
Description	MOSFET N-CH 250V 30A TO252AA
Detailed Description	N-Channel 250 V 30A (Tc) 176W (Tc) Surface Mount TO-252AA



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## Purchase and inquiry

### Manufacturer Product Number:

IXFY30N25X3

### Series:

HiPerFET™, Ultra X3

### FET Type:

N-Channel

### Drain to Source Voltage (Vdss):

250 V

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

10V

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

4.5V @ 500µA

### Vgs (Max):

±20V

### FET Feature:

-

### Operating Temperature:

-55°C ~ 150°C (Tj)

### Supplier Device Package:

TO-252AA

### Base Product Number:

IXFY30

### Manufacturer:

IXYS

### Product Status:

Active

### Technology:

MOSFET (Metal Oxide)

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

30A (Tc)

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

60mOhm @ 15A, 10V

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

21 nC @ 10 V

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

1450 pF @ 25 V

### Power Dissipation (Max):

176W (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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