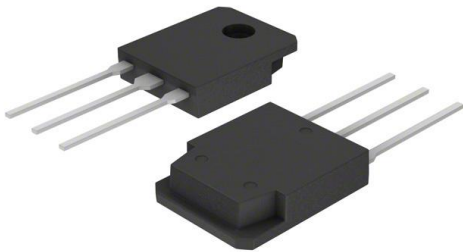


# IXTH48N65X2 Datasheet

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DiGi Electronics Part Number	IXTH48N65X2-DG
Manufacturer	<a href="#">IXYS</a>
Manufacturer Product Number	IXTH48N65X2
Description	MOSFET N-CH 650V 48A TO247
Detailed Description	N-Channel 650 V 48A (Tc) 660W (Tc) Through Hole TO-247 (IXTH)

This model IXTH48N65X2 is available at DiGi Electronics.

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## Purchase and inquiry

### Manufacturer Product Number:

IXTH48N65X2

### Series:

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:

4.5V @ 4mA

### Vgs (Max):

±30V

### FET Feature:

-

### Operating Temperature:

-55°C ~ 150°C (Tj)

### Supplier Device Package:

TO-247 (IXTH)

### Base Product Number:

IXTH48

### Manufacturer:

IXYS

### Product Status:

Active

### Technology:

MOSFET (Metal Oxide)

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

48A (Tc)

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

68mOhm @ 24A, 10V

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

77 nC @ 10 V

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

4420 pF @ 25 V

### Power Dissipation (Max):

660W (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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