

# IXTK75N30 Datasheet



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DiGi Electronics Part Number	IXTK75N30-DG
Manufacturer	<a href="#">IXYS</a>
Manufacturer Product Number	IXTK75N30
Description	MOSFET N-CH 300V 75A TO264
Detailed Description	N-Channel 300 V 75A (Tc) 540W (Tc) Through Hole TO-264 (IXTK)



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## Purchase and inquiry

### Manufacturer Product Number:

IXTK75N30

### Series:

MegaMOS™

### FET Type:

N-Channel

### Drain to Source Voltage (Vdss):

300 V

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

10V

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

4V @ 250µA

### Vgs (Max):

±20V

### FET Feature:

-

### Operating Temperature:

-55°C ~ 150°C (Tj)

### Supplier Device Package:

TO-264 (IXTK)

### Base Product Number:

IXTK75

### Manufacturer:

IXYS

### Product Status:

Obsolete

### Technology:

MOSFET (Metal Oxide)

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

75A (Tc)

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

42mOhm @ 500mA, 10V

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

240 nC @ 10 V

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

6000 pF @ 25 V

### Power Dissipation (Max):

540W (Tc)

### Mounting Type:

Through Hole

### Package / Case:

TO-264-3, TO-264AA

## 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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