

IXTK82N25P Datasheet



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|------------------------------|---|
| DiGi Electronics Part Number | IXTK82N25P-DG |
| Manufacturer | IXYS |
| Manufacturer Product Number | IXTK82N25P |
| Description | MOSFET N-CH 250V 82A TO264 |
| Detailed Description | N-Channel 250 V 82A (Tc) 500W (Tc) Through Hole TO-264 (IXTK) |



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Purchase and inquiry

Manufacturer Product Number:

IXTK82N25P

Series:

Polar

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

250 V

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

10V

Vgs(th) (Max) @ Id:

5V @ 250µA

Vgs (Max):

±20V

FET Feature:

-

Operating Temperature:

-55°C ~ 150°C (Tj)

Supplier Device Package:

TO-264 (IXTK)

Base Product Number:

IXTK82

Manufacturer:

IXYS

Product Status:

Active

Technology:

MOSFET (Metal Oxide)

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

82A (Tc)

Rds On (Max) @ Id, Vgs:

35mOhm @ 41A, 10V

Gate Charge (Qg) (Max) @ Vgs:

142 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

4800 pF @ 25 V

Power Dissipation (Max):

500W (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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