

IXFB38N100Q2 Datasheet



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|------------------------------|---|
| DiGi Electronics Part Number | IXFB38N100Q2-DG |
| Manufacturer | IXYS |
| Manufacturer Product Number | IXFB38N100Q2 |
| Description | MOSFET N-CH 1000V 38A PLUS264 |
| Detailed Description | N-Channel 1000 V 38A (Tc) 890W (Tc) Through Hole PLUS264™ |



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Purchase and inquiry

Manufacturer Product Number:

IXFB38N100Q2

Series:

HiPerFET™, Q2 Class

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

1000 V

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

10V

Vgs(th) (Max) @ Id:

5.5V @ 8mA

Vgs (Max):

±30V

FET Feature:

-

Operating Temperature:

-55°C ~ 150°C (Tj)

Supplier Device Package:

PLUS264™

Base Product Number:

IXFB38

Manufacturer:

IXYS

Product Status:

Active

Technology:

MOSFET (Metal Oxide)

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

38A (Tc)

Rds On (Max) @ Id, Vgs:

250mOhm @ 19A, 10V

Gate Charge (Qg) (Max) @ Vgs:

250 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

13500 pF @ 25 V

Power Dissipation (Max):

890W (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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