

IXFH18N90P Datasheet



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DiGi Electronics Part Number	IXFH18N90P-DG
Manufacturer	IXYS
Manufacturer Product Number	IXFH18N90P
Description	MOSFET N-CH 900V 18A TO247AD
Detailed Description	N-Channel 900 V 18A (Tc) 540W (Tc) Through Hole TO-247AD (IXFH)



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Purchase and inquiry

Manufacturer Product Number:

IXFH18N90P

Series:

HiPerFET™, Polar

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

900 V

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

10V

Vgs(th) (Max) @ Id:

6.5V @ 1mA

Vgs (Max):

±30V

FET Feature:

-

Operating Temperature:

-55°C ~ 150°C (Tj)

Supplier Device Package:

TO-247AD (IXFH)

Base Product Number:

IXFH18

Manufacturer:

IXYS

Product Status:

Active

Technology:

MOSFET (Metal Oxide)

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

18A (Tc)

Rds On (Max) @ Id, Vgs:

600mOhm @ 500mA, 10V

Gate Charge (Qg) (Max) @ Vgs:

97 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

5230 pF @ 25 V

Power Dissipation (Max):

540W (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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