

IXFX90N20Q Datasheet



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DiGi Electronics Part Number	IXFX90N20Q-DG
Manufacturer	IXYS
Manufacturer Product Number	IXFX90N20Q
Description	MOSFET N-CH 200V 90A PLUS247-3
Detailed Description	N-Channel 200 V 90A (Tc) 500W (Tc) Through Hole PLUS247™-3



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Purchase and inquiry

Manufacturer Product Number:

IXFX90N20Q

Series:

HiPerFET™, Q Class

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

200 V

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

10V

Vgs(th) (Max) @ Id:

4V @ 4mA

Vgs (Max):

±20V

FET Feature:

-

Operating Temperature:

-55°C ~ 150°C (Tj)

Supplier Device Package:

PLUS247™-3

Base Product Number:

IXFX90

Manufacturer:

IXYS

Product Status:

Active

Technology:

MOSFET (Metal Oxide)

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

90A (Tc)

Rds On (Max) @ Id, Vgs:

22mOhm @ 45A, 10V

Gate Charge (Qg) (Max) @ Vgs:

190 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

6800 pF @ 25 V

Power Dissipation (Max):

500W (Tc)

Mounting Type:

Through Hole

Package / Case:

TO-247-3 Variant

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

ECCN:

EAR99

REACH Status:

REACH Unaffected

HTSUS:

8541.29.0095

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