

IXTH21N50Q Datasheet



DiGi Electronics Part Number	IXTH21N50Q-DG
Manufacturer	IXYS
Manufacturer Product Number	IXTH21N50Q
Description	MOSFET N-CH 500V 21A TO247AD
Detailed Description	N-Channel 500 V 21A (Tc) 300W (Tc) Through Hole TO-247AD

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Manufacturer Product Number:

IXTH21N50Q

Series:

HiPerFET™

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

500 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-247AD

Base Product Number:

IXTH21

Manufacturer:

IXYS

Product Status:

Obsolete

Technology:

MOSFET (Metal Oxide)

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

21A (Tc)

Rds On (Max) @ Id, Vgs:

250mOhm @ 10.5A, 10V

Gate Charge (Qg) (Max) @ Vgs:

190 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

4200 pF @ 25 V

Power Dissipation (Max):

300W (Tc)

Mounting Type:

Through Hole

Package / Case:

TO-247-3

Environmental & Export classification

Moisture Sensitivity Level (MSL):

1 (Unlimited)

HTSUS:

8541.29.0095

ECCN:

EAR99

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