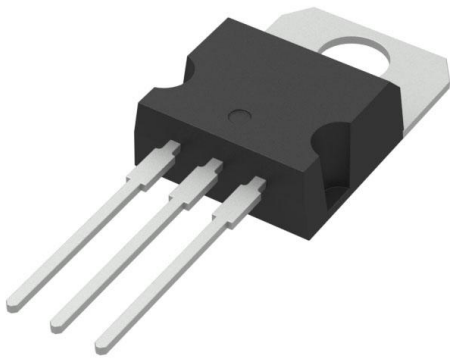


STP14NF10 Datasheet

www.digi-electronics.com



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DiGi Electronics Part Number	STP14NF10-DG
Manufacturer	STMicroelectronics
Manufacturer Product Number	STP14NF10
Description	MOSFET N-CH 100V 15A TO220AB
Detailed Description	N-Channel 100 V 15A (Tc) 60W (Tc) Through Hole T O-220

This model STP14NF10 is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

STP14NF10

Series:

STripFET™ II

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

100 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 ~ 175°C (Tj)

Supplier Device Package:

TO-220

Base Product Number:

STP14

Manufacturer:

STMicroelectronics

Product Status:

Obsolete

Technology:

MOSFET (Metal Oxide)

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

15A (Tc)

Rds On (Max) @ Id, Vgs:

130mOhm @ 7A, 10V

Gate Charge (Qg) (Max) @ Vgs:

21 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

460 pF @ 25 V

Power Dissipation (Max):

60W (Tc)

Mounting Type:

Through Hole

Package / Case:

TO-220-3

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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