

# STD12NF06LT4 Datasheet



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DiGi Electronics Part Number	STD12NF06LT4-DG
Manufacturer	<a href="#">STMicroelectronics</a>
Manufacturer Product Number	STD12NF06LT4
Description	MOSFET N-CH 60V 12A DPAK
Detailed Description	N-Channel 60 V 12A (Tc) 42.8W (Tc) Surface Mount DPAK

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## Purchase and inquiry

Manufacturer Product Number:

STD12NF06LT4

Series:

STripFET™ II

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

60 V

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

5V, 10V

Vgs(th) (Max) @ Id:

2V @ 250µA

Vgs (Max):

±16V

FET Feature:

-

Operating Temperature:

-55°C ~ 175°C (Tj)

Supplier Device Package:

DPAK

Base Product Number:

STD12

Manufacturer:

STMicroelectronics

Product Status:

Obsolete

Technology:

MOSFET (Metal Oxide)

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

12A (Tc)

Rds On (Max) @ Id, Vgs:

100mOhm @ 6A, 10V

Gate Charge (Qg) (Max) @ Vgs:

10 nC @ 5 V

Input Capacitance (Ciss) (Max) @ Vds:

350 pF @ 25 V

Power Dissipation (Max):

42.8W (Tc)

Mounting Type:

Surface Mount

Package / Case:

TO-252-3, DPAK (2 Leads + Tab), SC-63

## 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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