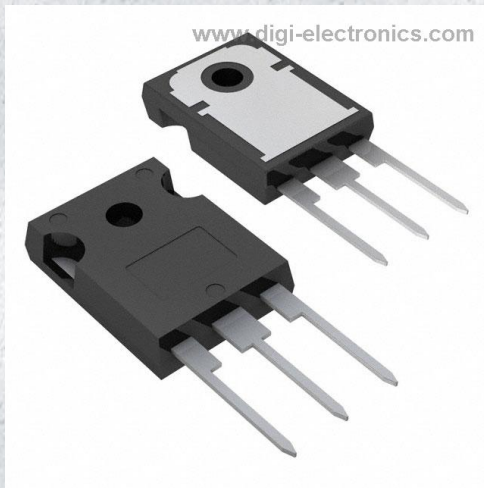


STW52NK25Z Datasheet



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DiGi Electronics Part Number	STW52NK25Z-DG
Manufacturer	STMicroelectronics
Manufacturer Product Number	STW52NK25Z
Description	MOSFET N-CH 250V 52A TO247-3
Detailed Description	N-Channel 250 V 52A (Tc) 300W (Tc) Through Hole TO-247-3

This model STW52NK25Z is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

STW52NK25Z

Series:

SuperMESH™

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

250 V

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

10V

Vgs(th) (Max) @ Id:

4.5V @ 150µA

Vgs (Max):

±30V

FET Feature:

-

Operating Temperature:

-55°C ~ 150°C (Tj)

Supplier Device Package:

TO-247-3

Base Product Number:

STW52

Manufacturer:

STMicroelectronics

Product Status:

Not For New Designs

Technology:

MOSFET (Metal Oxide)

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

52A (Tc)

Rds On (Max) @ Id, Vgs:

45mOhm @ 26A, 10V

Gate Charge (Qg) (Max) @ Vgs:

160 nC @ 10 V

Input Capacitance (Ciss) (Max) @ Vds:

4850 pF @ 25 V

Power Dissipation (Max):

300W (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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