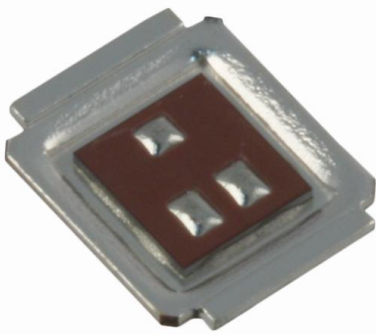


# IRF6609TRPBF Datasheet

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DiGi Electronics Part Number	IRF6609TRPBF-DG
Manufacturer	<a href="#">Infineon Technologies</a>
Manufacturer Product Number	IRF6609TRPBF
Description	MOSFET N-CH 20V 31A DIRECTFET
Detailed Description	N-Channel 20 V 31A (Ta), 150A (Tc) 1.8W (Ta), 89W (Tc) Surface Mount DIRECTFET™ MT



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## Purchase and inquiry

Manufacturer Product Number:

IRF6609TRPBF

Series:

HEXFET®

FET Type:

N-Channel

Drain to Source Voltage (Vdss):

20 V

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

4.5V, 10V

Vgs(th) (Max) @ Id:

2.45V @ 250µA

Vgs (Max):

±20V

FET Feature:

-

Operating Temperature:

-40°C ~ 150°C (Tj)

Supplier Device Package:

DIRECTFET™ MT

Manufacturer:

Infineon Technologies

Product Status:

Obsolete

Technology:

MOSFET (Metal Oxide)

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

31A (Ta), 150A (Tc)

Rds On (Max) @ Id, Vgs:

2mOhm @ 31A, 10V

Gate Charge (Qg) (Max) @ Vgs:

69 nC @ 4.5 V

Input Capacitance (Ciss) (Max) @ Vds:

6290 pF @ 10 V

Power Dissipation (Max):

1.8W (Ta), 89W (Tc)

Mounting Type:

Surface Mount

Package / Case:

DirectFET™ Isometric MT

## Environmental & Export classification

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

REACH Status:

REACH Unaffected

HTSUS:

8541.29.0095

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