



Product Overview

NTMFS5834NL: Power MOSFET 40V 74A 9.3 mOhm Single N-Channel SO-8FL Logic Level

For complete documentation, see the data sheet

Product Description

Power MOSFET 40 V, 75 A, 9.3mOhm Single N-Channel SO-8 FL

FeaturesBenefits

- Low RDS(on)
  - Low Capacitance
  - Optimized Gate Charge
  - These Devices are PbFree, Halogen Free/BFR Free
  - AEC-Q101 qualified (NV prefix orderable PN)
- Reduced conduction losses
  - Reduced input losses
  - Reduced switching losses
  - RoHS Compliant
  - Suitable for automotive applications

ApplicationsEnd Products

- DC-DC Converter
  - Secondary Side Synchronous Rectification
  - Motor Driver
- DC-DC Converter
  - Power Supply
  - Motor Control

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	V <sub>DS</sub> (BR) Min (V)	V <sub>GS</sub> Max (V)	V <sub>GS</sub> (th) Max (V)	I <sub>D</sub> Max (A)	P <sub>D</sub> Max (W)	r <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 2.5 V (m)	r <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 4.5 V (m)	r <sub>DS(on)</sub> Max @ V <sub>GS</sub> = 10 V (m)	Q <sub>g</sub> Typ @ V <sub>GS</sub> = 4.5 V (nC)	Q <sub>g</sub> Typ @ V <sub>GS</sub> = 10 V (nC)	Q <sub>gd</sub> Typ @ V <sub>GS</sub> = 4.5 V (nC)	Q <sub>rr</sub> Typ (nC)	C <sub>iss</sub> Typ (pF)	C <sub>oss</sub> Typ (pF)	C <sub>rss</sub> Typ (pF)	Package Type
NTMFS5834NLT1G	Pb-free Halide free	Active	N-Channel	Single	40	20	3	74	89		13.6	9.3	12	24	6.3	108	1231	198	141	SO-8FL / DF N-5

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