



Product Overview

NTMS4937N: Power MOSFET 30V 13.6A 6.5 mOhm Single N-Channel SO-8

For complete documentation, see the data sheet

Product Description

This is a 30 V N-Channel Power MOSFET.

FeaturesBenefits

- Low RDS(on)
  - Low Capacitance
  - Optimized Gate Charge
  - Pb Free and Halogen Free
- Minimize Conduction Losses
  - Minimize Driver Losses
  - Reduce Switching Losses
  - RoHS Compliant

ApplicationsEnd Products

- DC-DC Converter, Point of Load, Power Load Switch, Motor Control
- PC, Server, Game Console, HDD, Printer, other Computing and Consumer Products

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)	Packaging Type
NTMS4937NR2G	Pb-free Halide free	Active	N-Channel	Single	30	20	2.5	13.6	2		8.7	6.5	17.4	38.5	3.3	38	2563	715	25	SOIC-8

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Created on: 7/11/2015