



Product Overview

NVMFS4C03N: Power MOSFET 30V 143A 2.1 mOhm Single N-Channel SO8-FL Logic Level

For complete documentation, see the data sheet

Product Description

Automotive Power MOSFET in a 5x6mm flat lead package designed for compact and efficient designs and including high thermal performance. Wettable Flank Option available for Enhanced Optical Inspection. AEC-Q101 Qualified MOSFET and PPAP capable suitable for automotive applications.

Features

- Small Footprint (5x6 mm) for Compact Design
- Low RDS(on) to Minimize Conduction Losses
- Low QG and Capacitance to Minimize Driver Losses
- NVMFS4C03NWF - Wettable Flanks Product
- AEC-Q101 Qualified and PPAP Capable
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

Applications

- Reverse battery protection
- DC-DC converter output driver

End Products

- HID and LED lighting
- Infotainment Power Supplies

Part Electrical Specifications

Product	Compliance	Status	Channel Polarity	Configuration	V _{DS} (BR) Min (V)	V _{GS} Max (V)	V _{GS} (th) Max (V)	I _D Max (A)	P _D Max (W)	r _{DS(on)} Max @ V _{GS} = 2.5 V (m)	r _{DS(on)} Max @ V _{GS} = 4.5 V (m)	r _{DS(on)} Max @ V _{GS} = 10 V (m)	Q _g Typ @ V _{GS} = 4.5 V (nC)	Q _g Typ @ V _{GS} = 10 V (nC)	Q _{gd} Typ @ V _{GS} = 4.5 V (nC)	Q _{rr} Typ (nC)	C _{iss} Typ (pF)	C _{oss} Typ (pF)	C _{rss} Typ (pF)	Packaging Type
NVMFS4C03NT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	30	20	2.2	143	77		2.8	2.1	20.8	45.2	4.7	39	3071	1673	67	SO-8FL / DF N-5
NVMFS4C03NT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	30	20	2.2	143	77		2.8	2.1	20.8	45.2	4.7	39	3071	1673	67	SO-8FL / DF N-5
NVMFS4C03NWFT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	30	20	2.2	143	77		2.8	2.1	20.8	45.2	4.7	39	3071	1673	67	SO-8FL / DF N-5
NVMFS4C03NWFT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	N-Channel	Single	30	20	2.2	143	77		2.8	2.1	20.8	45.2	4.7	39	3071	1673	67	SO-8FL / DF N-5

For more information please contact your local sales support at www.onsemi.com

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