

Product Overview

NTMFS5C404NLT: Single N-Channel Power MOSFET 40V, 370A, 0.67mΩ

For complete documentation, see the data sheet.



Power MOSFET 40 V, 0.67 mΩ, 370 A, Single N-Channel

Features

- Low RDS(on)
- Low input capacitance
- Maximum junction temperature of 175C
- Small Footprint (5x6 mm) for Compact Design
- NTMFS5C404NLTWF - Wettable Flank Option for Enhanced Optical Inspection
- RoHS Compliant

Benefits

- Minimize conduction losses
- Minimize switching losses
- Offers a wider design margin for thermally challenged applications

Applications

- Point of Load Modules
- High Performance DC-DC Converters
- Secondary Syn. Rectification
- DC Motor Drive

End Products

- Netcom, Telecom
- Server
- Handheld power tools

Part Electrical Specifications

Product	Compliance	Status	Chan- nel Polar- ity	Confi- gura- tion	V _{SS} ^{(BR)D} 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 (mΩ)	R _{DS(on)} , Max @ V _{GS} = 4.5 V (mΩ)	R _{DS(on)} , Max @ V _{GS} = 10 V (mΩ)	Q _g Typ @ V _{GS} = 4.5 V (nC)	Q _g Typ @ V _{GS} = 10 V (nC)	C _{iss} Typ (pF)	Pack- age Type
NTMFS5C404NLT1G	Pb-free	Active	N- Chan- nel	Singl- e	40	±20	2	370	68	-	1	0.67	66	81	1216 8	SO- 8FL / DFN- 5
	Halide free															
NTMFS5C404NLT3G	Pb-free	Active	N- Chan- nel	Singl- e	40	±20	2	370	68	-	1	0.67	66	81	1216 8	SO- 8FL / DFN- 5
	Halide free															
NTMFS5C404NLTWFT1G	Pb-free	Active	N- Chan- nel	Singl- e	40	±20	2	370	68	-	1	0.67	66	81	1216 8	SO- 8FL / DFN- 5
	Halide free															
NTMFS5C404NLTWFT3G	Pb-free	Active	N- Chan- nel	Singl- e	40	±20	2	370	68	-	1	0.67	66	81	1216 8	SO- 8FL / DFN- 5
	Halide free															

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

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