

Product Overview

NTMFS5C456NL: Single N-Channel Power MOSFET 40V, 87A, 3.7mΩ

For complete documentation, see the data sheet.

Power MOSFET 40 V, 3.7 mΩ, 87 A, Single N-Channel

Features

- Low RDS(on)
- Low Input Capacitance
- Maximum Junction Temperature of 175°C
- 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	Pricing (\$/Unit)	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 (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)	Package Type
NTMFS5C456NLT1G	0.412	Pb-free Halide free	Active	N-Channel	Single	40	±20	2	87	55	-	6	3.7	4.4	18	1600	SO-8FL / DFN-5
NTMFS5C456NLT3G	0.412	Pb-free Halide free	Active	N-Channel	Single	40	±20	2	87	55	-	6	3.7	4.4	18	1600	SO-8FL / DFN-5

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

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