



Product Overview

NTMFS5C404NL: Power MOSFET 40 V, 342 A, 0.75 mΩ, Single N-Channel SO-8FL Logic Level

For complete documentation, see the data sheet

Product Description

Power MOSFET 40V 342A 0.75 mOhm Single N-Channel SO-8FL Logic Level

Features	Benefits
<ul style="list-style-type: none"><li>Low RDS(on)</li><li>Low input capacitance</li></ul>	<ul style="list-style-type: none"><li>Minimize conduction losses</li><li>Minimize switching losses</li></ul>

Applications	End Products
<ul style="list-style-type: none"><li>Point of Load Modules</li><li>High Performance DC-DC Converters</li><li>Secondary Syn. Rectification</li><li>DC Motor Drive</li></ul>	<ul style="list-style-type: none"><li>Netcom, Telecom</li><li>Server</li><li>Handheld power tools</li></ul>

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
NTMFS5C404NLT1G	Pb-free Halide free	Active	N-Channel	Single	40	±20	2	342	167		1	0.75	81	190	23.8		11500	4600	110	SO-8FL / DF N-5
NTMFS5C404NLT3G	Pb-free Halide free	Active	N-Channel	Single	40	±20	2	342	167		1	0.75	81	190	23.8		11500	4600	110	SO-8FL / DF N-5

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

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