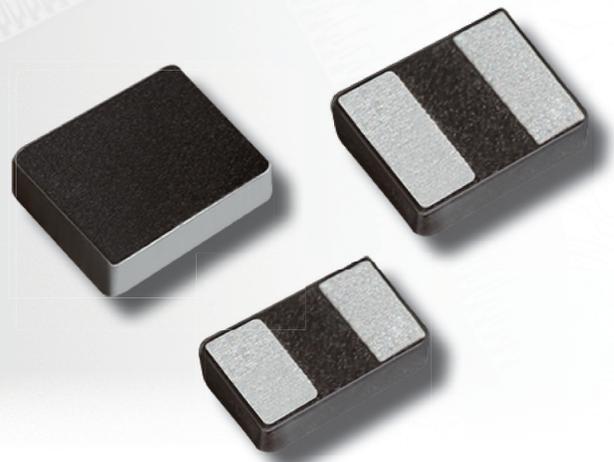


# NIC Product Profile

Features | Applications | Crossing



## NPMS Series

### High Performance, Miniaturized Molded Chip Power Inductors

The NPMS series is part of NIC's latest generation of high efficiency power inductors. These High Performance, Miniaturized Molded Chip Power Inductors feature an ultra-small form factor ideal for use in emerging markets including SMART devices, handheld POS, IOT and wearables. Key features and advantages focus on reliability and performance including current ratings, ultra-low DCR, very low acoustic noise and very low leakage flux noise.

#### NPMS0605

1.4 x 1.2  
0.65 mm height  
0.24uH ~ 0.47uH  
DCR as low as 20mΩ  
Up to 6.5A Isat Max.

#### NPMS0805

2.0 x 1.2 (0805)  
0.8 & 1.0 mm heights  
0.11uH ~ 2.2uH  
DCR as low as 10mΩ  
Up to 13A Isat Max.

#### NPMS0806

2.0 x 1.6 (0806)  
0.8 & 1.0 mm heights  
0.24uH ~ 4.7uH  
DCR as low as 11mΩ  
Up to 7A Isat Max.

#### NPMS1008

2.5 x 2.0 (1008)  
0.8 & 1.0 mm heights  
0.24uH ~ 10uH  
DCR as low as 11.5mΩ  
Up to 8.4A Isat Max.



#### Applications:

DC/DC Converters  
Switch Mode Power Supplies  
Battery Operated Devices  
Body Electronics & Comfort System  
Energy Efficient Lighting  
Handheld POS  
Navigation  
Smart Devices / Automation



#### Cross & Replace:

Coilcraft: PFL  
Murata: DFE, LQM, LQH  
TDK: KLZ, MLP, MLZ, TFM, VLS  
Taiyo Yuden: BRL, CBx, CXP, LK, Mx



[www.niccomp.com](http://www.niccomp.com)



[www.niccomp.com/series/NPMS](http://www.niccomp.com/series/NPMS)



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NIC Components Corp.

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