



www.niccomp.com/pcn | Technical Support: tpmg@niccomp.com

Issued: January 3rd, 2019
SUB: EOL Notice

Product Type: Surface Mount Power Inductors
NIC Series: NPM and NPMH Series

Notification: End of Life Notification

The following is notification of the end of life for the NPM and NPMH series surface mount power inductors. See table #1 for the list of discontinued part numbers

Effective: January 3rd, 2019

Last Order Date: July 3rd, 2019 for established customers with existing business on these part numbers

Last Ship Date: January 3rd, 2020 for established customers with existing business on these part numbers

Reason for Discontinuation: Low Demand

Prepared by: Technical Product Marketing Group / tpmg@niccomp.com

➔ Follow NIC PCN alerts to get email notifications of EOL and PCN announcements at www.niccomp.com/pcn

Discontinued Part Numbers	Size	Inductance (μH)	I _{rms} (Amps)
NPM0806CMR24TR400F	0806	0.24	4.00
NPM0806CMR33TR350F	0806	0.33	3.50
NPM0806CMR47TR300F	0806	0.47	3.00
NPM0806CMR56TR280F	0806	0.56	2.80
NPM0806CMR68TR240F	0806	0.68	2.40
NPM0806CM1R0TR200F	0806	1.00	2.00
NPM0806CM1R5TR160F	0806	1.50	1.60
NPM0806CM2R2TR130F	0806	2.20	1.30
NPM0806CMR24TR380F	0806	0.24	3.80
NPM0806CMR47TR290F	0806	0.47	2.90
NPM0806CMR68TR250F	0806	0.68	2.50
NPM0806CM1R0TR220F	0806	1.00	2.20
NPM0806CM2R2TR150F	0806	2.20	1.50
NPM0806DMR24TR420F	0806	0.24	4.20
NPM0806DMR47TR320F	0806	0.47	3.20
NPM0806DMR68TR260F	0806	0.68	2.60
NPM0806DM1R0TR230F	0806	1.00	2.30
NPM0806DM1R5TR220F	0806	1.50	2.20
NPM0806DM2R2TR130F	0806	2.20	1.30
NPM1008CMR24TR450F	1008	0.24	4.50
NPM1008CMR47TR310F	1008	0.47	3.10
NPM1008CMR68TR290F	1008	0.68	2.90
NPM1008CM1R0TR250F	1008	1.00	2.50
NPM1008CM1R5TR220F	1008	1.50	2.20
NPM1008CM2R2TR140F	1008	2.20	1.40
NPM1008CMR33TR380F	1008	0.33	3.80
NPM1008CMR47TR340F	1008	0.47	3.40
NPM1008CMR68TR300F	1008	0.68	3.00
NPM1008CM1R0TR260F	1008	1.00	2.60
NPM1008CM1R5TR210F	1008	1.50	2.10
NPM1008CM2R2TR180F	1008	2.20	1.80
NPM1008DMR33TR400F	1008	0.33	4.00



NIC Components Corp.

www.niccomp.com/pcn | Technical Support: tpmg@niccomp.com

Discontinued Part Number	Size	Inductance (μH)	I _{rms} (Amps)
NPM1008DMR47TR370F	1008	0.47	3.70
NPM1008DMR68TR330F	1008	0.68	3.30
NPM1008DM1R0TR300F	1008	1.00	3.00
NPM1008DM1R5TR250F	1008	1.50	2.50
NPM1008DM2R2TR200F	1008	2.20	2.00
NPM1008DMR47TR410F	1008	0.47	4.10
NPM1008DM1R0TR320F	1008	1.00	3.20
NPM1008DM2R2TR220F	1008	2.20	2.20
NPM1210CMR47TR360F	1210	0.47	3.60
NPM1210CM1R0TR300F	1210	1.00	3.00
NPM1210CM1R5TR260F	1210	1.50	2.60
NPM1210CM2R2TR220F	1210	2.20	2.20
NPM1210DMR47TR500F	1210	0.47	5.00
NPM1210DMR68TR400F	1210	0.68	4.00
NPM1210DM1R0TR380F	1210	1.00	3.80
NPM1210DM1R5TR280F	1210	1.50	2.80
NPM1210DM2R2TR240F	1210	2.20	2.40
NPMH0603BMR24TR260F	0603	0.24	2.60
NPMH0603BMR33TR220F	0603	0.33	2.20
NPMH0603BMR47TR160F	0603	0.47	1.60
NPMH0805BMR24TR420F	0805	0.24	4.20
NPMH0805BMR47TR300F	0805	0.47	3.00
NPMH0805CMR24TR370F	0805	0.24	3.70
NPMH0805CMR33TR370F	0805	0.33	3.70
NPMH0805CMR47TR300F	0805	0.47	3.00
NPMH0805CM1R0TR220F	0805	1.00	2.20
NPMH0805CM1R5TR180F	0805	1.50	1.80
NPMH0805CM2R2TR140F	0805	2.20	1.40
NPMH0806BMR47TR310F	0806	0.47	3.10
NPMH0806BM1R0TR230F	0806	1.00	2.30
NPMH0806BM1R5TR210F	0806	1.50	2.10
NPMH0806CMR24TR390F	0806	0.24	3.90
NPMH0806CMR33TR470F	0806	0.33	4.70
NPMH0806CMR47TR350F	0806	0.47	3.50
NPMH0806CMR68TR270F	0806	0.68	2.70
NPMH0806CM1R0TR250F	0806	1.00	2.50
NPMH0806CM1R5TR230F	0806	1.50	2.30
NPMH0806CM2R2TR180F	0806	2.20	1.80
NPMH1008CMR24TR550F	1008	0.24	5.50
NPMH1008CMR33TR380F	1008	0.33	3.80
NPMH1008CMR47TR390F	1008	0.47	3.90
NPMH1008CMR68TR370F	1008	0.68	3.70
NPMH1008CM1R0TR300F	1008	1.00	3.00
NPMH1008CM1R5TR240F	1008	1.50	2.40
NPMH1008CM2R2TR220F	1008	2.20	2.20
NPMH1008DMR24TR620F	1008	0.24	6.20
NPMH1008DMR33TR580F	1008	0.33	5.80
NPMH1008DMR47TR380F	1008	0.47	3.80
NPMH1008DMR68TR380F	1008	0.68	3.80
NPMH1008DM1R0TR360F	1008	1.00	3.60
NPMH1008DM1R5TR270F	1008	1.50	2.70



NIC Components Corp.

www.niccomp.com/pcn | Technical Support: tpmg@niccomp.com

Discontinued Part Number	Size	Inductance (μ H)	I _{rms} (Amps)
NPMH1008DM2R2TR250F	1008	2.20	2.50
NPMH1210CMR24TR600F	1210	0.24	6.00
NPMH1210CMR33TR580F	1210	0.33	5.80
NPMH1210CMR47TR450F	1210	0.47	4.50
NPMH1210CM1R0TR330F	1210	1.00	3.30
NPMH1210CM1R5TR320F	1210	1.50	3.20
NPMH1210CM2R2TR250F	1210	2.20	2.50
NPMH1210DMR47TR460F	1210	0.47	4.60
NPMH1210DM1R0TR370F	1210	1.00	3.70
NPMH1210DM1R5TR280F	1210	1.50	2.80
NPMH1210DM2R2TR270F	1210	2.20	2.70
NPMH1210HM1R0TR350F	1210	1.00	3.50
NPMH1210HM1R5TR320F	1210	1.50	3.20
NPMH1210HM2R2TR300F	1210	2.20	3.00

FEATURES

- SIZES 0603, 0805, 0806, 1008 & 1210 SIZES
- HIGH CURRENT AND LOW DCR CHARACTERISTICS
- REFLOW SOLDERABLE
- PACKAGE ON TAPE & REEL FOR AUTOMATIC PICK-PLACE



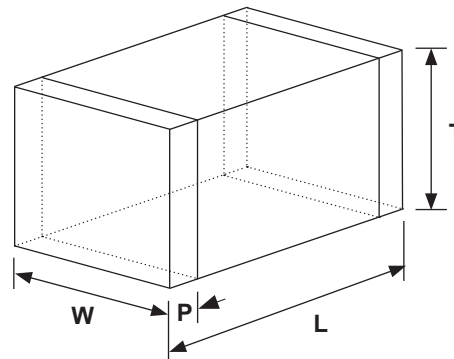
SPECIFICATIONS

Case Code	0603	0805	0806	1008	1210
Inductance Range (μ H)	0.24 ~ 0.47	0.24 ~ 2.2	0.24 ~ 2.2	0.24 ~ 2.2	0.24 ~ 2.2
Operating Temperature Range	-40°C ~ +125°C (Including Self-Heating)				
Inductance Tolerance	$\pm 20\%$ (M)				
Test Conditions	0.2V @ 2MHZ				

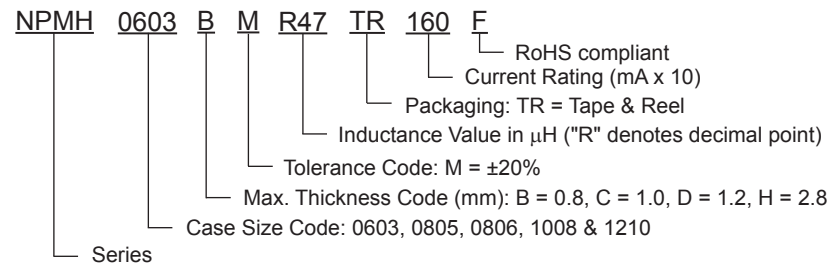
DIMENSIONS (mm)

Case Size	L	W	T*	P
0603	1.60 $\pm$ 0.20	0.80 $\pm$ 0.20	0.80 max.	0.30 $\pm$ 0.20
0805	2.00 $\pm$ 0.20	1.25 $\pm$ 0.20	1.00 max.	0.50 $\pm$ 0.30
0806	2.00 $\pm$ 0.20	1.60 $\pm$ 0.20	1.00 max.	0.50 $\pm$ 0.30
1008	2.50 $\pm$ 0.30	2.00 $\pm$ 0.30	1.20 max.	0.60 $\pm$ 0.30
1210	3.20 $\pm$ 0.30	2.50 $\pm$ 0.30	2.80 max.	0.50 $\pm$ 0.30

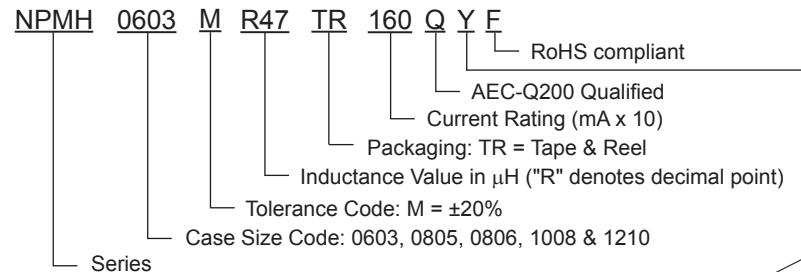
*See specifications tables for individual part number maximum thickness dimension.



PART NUMBER SYSTEM



PART NUMBER SYSTEM



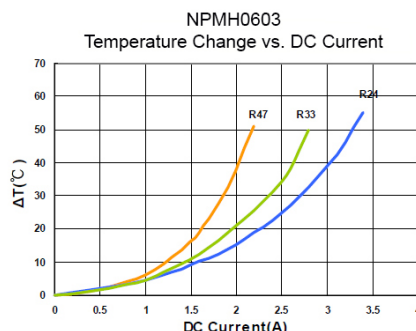
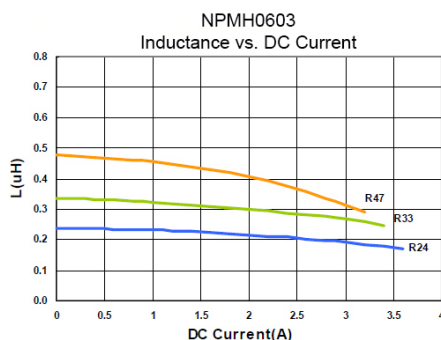
"Y" denotes suitable for automotive equipment, sourced to special production and inspection at TS-16949 certified production site

NPMH SERIES 0603 CASE SIZE (0.8mm thickness) STANDARD VALUES & SPECIFICATIONS

NIC P/N	Inductance (μH)	Tolerance	DC Resistance Max. (mOhms)	Isat Current Max. (A)*	Irms Current Max. (A)*	Maximum Thickness (mm)	Reel Quantity
NPMH0603BMR24TR260F	0.24	±20% (M)	54	3.2	2.6	0.8	4,000
NPMH0603BMR33TR220F	0.33	±20% (M)	75	3.0	2.2	0.8	4,000
NPMH0603BMR47TR160F	0.47	±20% (M)	100	2.2	1.6	0.8	4,000

*Irms ΔT+40°C max., Isat ΔL -30% max. @ 25°C

Note: Extended values, tolerances, and enhanced versions are available please contact NIC for more details.

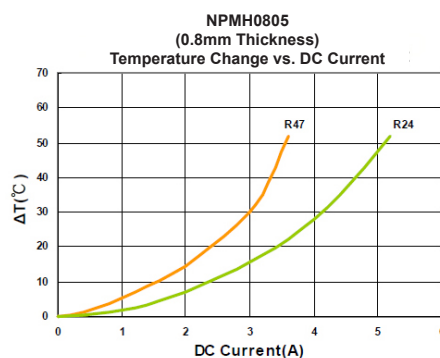
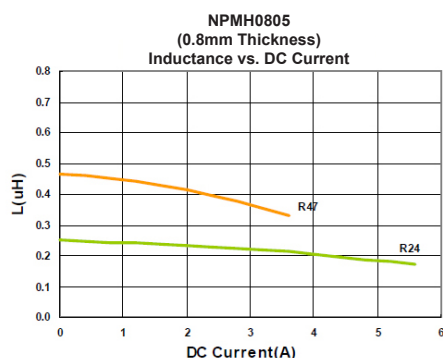


NPMH SERIES 0805 CASE SIZE (0.8mm thickness) STANDARD VALUES & SPECIFICATIONS

NIC P/N	Inductance (μH)	Tolerance	DC Resistance Max. (mOhms)	Isat Current Max. (A)*	Irms Current Max. (A)*	Maximum Thickness (mm)	Reel Quantity
NPMH0805BMR24TR420F	0.24	±20% (M)	25	4.8	4.2	0.8	3,000
NPMH0805BMR47TR300F	0.47	±20% (M)	48	3.2	3.0	0.8	3,000

*Irms ΔT+40°C max., Isat ΔL -30% max. @ 25°C

Note: Extended values, tolerances, and enhanced versions are available please contact NIC for more details.

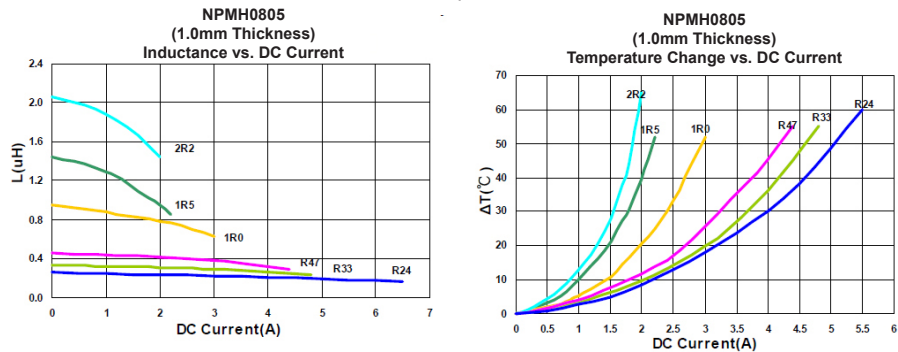


NPMH SERIES 0805 CASE SIZE (1.0mm thickness) STANDARD VALUES & SPECIFICATIONS

NIC P/N	Inductance (μH)	Tolerance	DC Resistance Max. (mOhms)	Isat Current Max. (A)*	Irms Current Max. (A)*	Maximum Thickness (mm)	Reel Quantity
NPMH0805CMR24TR370F	0.24	±20% (M)	28	4.5	3.7	1.0	3,000
NPMH0805CMR33TR370F	0.33	±20% (M)	30	4.5	3.7	1.0	3,000
NPMH0805CMR47TR300F	0.47	±20% (M)	42	3.3	3.0	1.0	3,000
NPMH0805CM1R0TR220F	1.00	±20% (M)	78	2.3	2.2	1.0	3,000
NPMH0805CM1R5TR180F	1.50	±20% (M)	126	1.7	1.6	1.0	3,000
NPMH0805CM2R2TR140F	2.20	±20% (M)	176	1.6	1.4	1.0	3,000

*Irms ΔT+40°C max., Isat ΔL -30% max. @ 25°C

Note: Extended values, tolerances, and enhanced versions are available please contact NIC for more details.

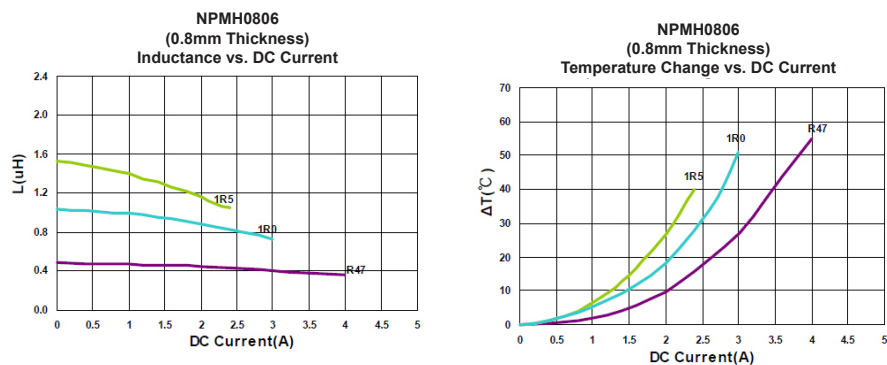


NPMH SERIES 0806 CASE SIZE (0.8mm thickness) STANDARD VALUES & SPECIFICATIONS

NIC P/N	Inductance (μH)	Tolerance	DC Resistance Max. (mOhms)	Isat Current Max. (A)*	Irms Current Max. (A)*	Maximum Thickness (mm)	Reel Quantity
NPMH0806BMR47TR310F	0.47	±20% (M)	51	3.3	3.1	0.8	3,000
NPMH0806BM1R0TR230F	1.00	±20% (M)	87	2.5	2.3	0.8	3,000
NPMH0806BM1R5TR210F	1.50	±20% (M)	115	2.0	2.1	0.8	3,000

*Irms ΔT+40°C max., Isat ΔL -30% max. @ 25°C

Note: Extended values, tolerances, and enhanced versions are available please contact NIC for more details.

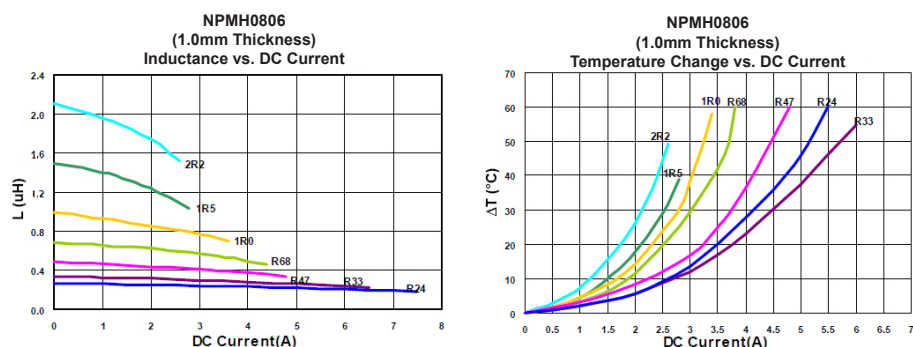


NPMH SERIES 0806 CASE SIZE (1.0mm thickness) STANDARD VALUES & SPECIFICATIONS

NIC P/N	Inductance (μH)	Tolerance	DC Resistance Max. (mOhms)	Isat Current Max. (A)*	Irms Current Max. (A)*	Maximum Thickness (mm)	Reel Quantity
NPMH0806CMR24TR390F	0.24	±20% (M)	27	5.6	3.9	1.0	3,000
NPMH0806CMR33TR470F	0.33	±20% (M)	23	5.3	4.7	1.0	3,000
NPMH0806CMR47TR350F	0.47	±20% (M)	42	3.9	3.5	1.0	3,000
NPMH0806CMR68TR270F	0.68	±20% (M)	56	3.2	2.7	1.0	3,000
NPMH0806CM1R0TR250F	1.00	±20% (M)	65	2.9	2.5	1.0	3,000
NPMH0806CM1R5TR230F	1.50	±20% (M)	85	2.5	2.3	1.0	3,000
NPMH0806CM2R2TR180F	2.20	±20% (M)	135	2.4	1.8	1.0	3,000

*Irms ΔT+40°C max., Isat ΔL -30% max. @ 25°C

Note: Extended values, tolerances, and enhanced versions are available please contact NIC for more details.

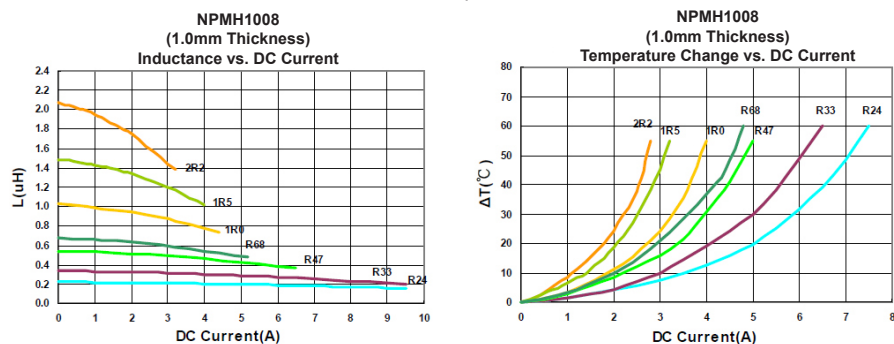


NPMH SERIES 1008 CASE SIZE (1.0mm thickness) STANDARD VALUES & SPECIFICATIONS

NIC P/N	Inductance (μH)	Tolerance	DC Resistance Max. (mOhms)	Isat Current Max. (A)*	Irms Current Max. (A)*	Maximum Thickness (mm)	Reel Quantity
NPMH1008CMR24TR550F	0.24	±20% (M)	18	8.0	5.5	1.0	3,000
NPMH1008CMR33TR380F	0.33	±20% (M)	24	6.5	4.8	1.0	3,000
NPMH1008CMR47TR390F	0.47	±20% (M)	35	5.0	3.9	1.0	3,000
NPMH1008CMR68TR370F	0.68	±20% (M)	40	4.5	3.7	1.0	3,000
NPMH1008CM1R0TR300F	1.00	±20% (M)	53	3.7	3.0	1.0	3,000
NPMH1008CM1R5TR240F	1.50	±20% (M)	75	3.1	2.4	1.0	3,000
NPMH1008CM2R2TR220F	2.20	±20% (M)	105	2.5	2.2	1.0	3,000

*Irms ΔT+40°C max., Isat ΔL -30% max. @ 25°C

Note: Extended values, tolerances, and enhanced versions are available please contact NIC for more details.

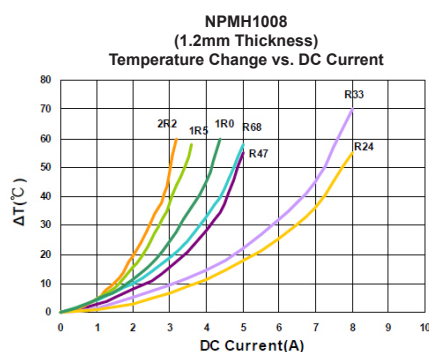
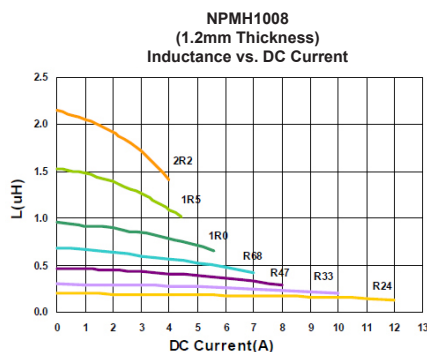


NPMH SERIES 1008 CASE SIZE (1.2mm thickness) STANDARD VALUES & SPECIFICATIONS

NIC P/N	Inductance (μH)	Tolerance	DC Resistance Max. (mOhms)	Isat Current Max. (A)*	Irms Current Max. (A)*	Maximum Thickness (mm)	Reel Quantity
NPMH1008DMR24TR620F	0.24	±20% (M)	15	9.0	6.2	1.2	3,000
NPMH1008DMR33TR580F	0.33	±20% (M)	18	8.5	5.8	1.2	3,000
NPMH1008DMR47TR380F	0.47	±20% (M)	33	5.6	3.8	1.2	3,000
NPMH1008DMR68TR380F	0.68	±20% (M)	36	5.0	3.8	1.2	3,000
NPMH1008DM1R0TR360F	1.00	±20% (M)	42	4.4	3.6	1.2	3,000
NPMH1008DM1R5TR270F	1.50	±20% (M)	65	3.4	2.7	1.2	3,000
NPMH1008DM2R2TR250F	2.20	±20% (M)	83	3.0	2.5	1.2	3,000

*Irms ΔT+40°C max., Isat ΔL -30% max. @ 25°C

Note: Extended values, tolerances, and enhanced versions are available please contact NIC for more details.

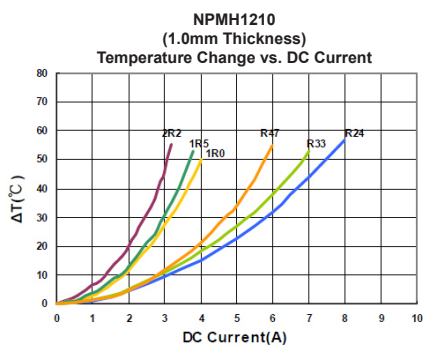
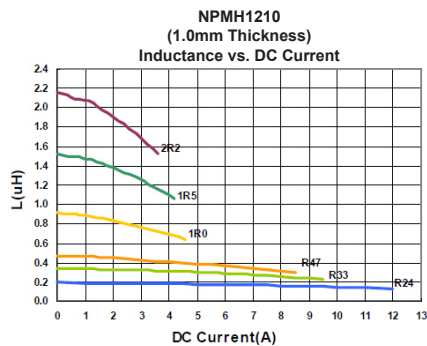


NPMH SERIES 1210 CASE SIZE (1.0mm thickness) STANDARD VALUES & SPECIFICATIONS

NIC P/N	Inductance (μH)	Tolerance	DC Resistance Max. (mOhms)	Isat Current Max. (A)*	Irms Current Max. (A)*	Maximum Thickness (mm)	Reel Quantity
NPMH1210CMR24TR600F	0.24	±20% (M)	16	9.0	6.0	1.0	3,000
NPMH1210CMR33TR580F	0.33	±20% (M)	17	8.0	5.8	1.0	3,000
NPMH1210CMR47TR450F	0.47	±20% (M)	24	6.0	4.5	1.0	3,000
NPMH1210CM1R0TR330F	1.00	±20% (M)	46	4.1	3.3	1.0	3,000
NPMH1210CM1R5TR320F	1.50	±20% (M)	58	3.5	3.2	1.0	3,000
NPMH1210CM2R2TR250F	2.20	±20% (M)	85	3.0	2.5	1.0	3,000

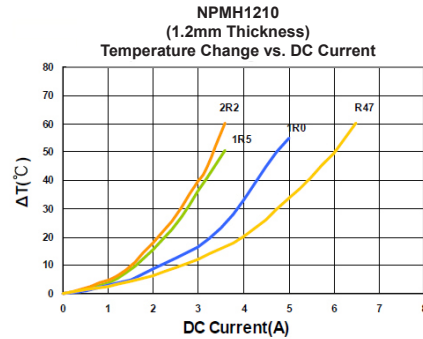
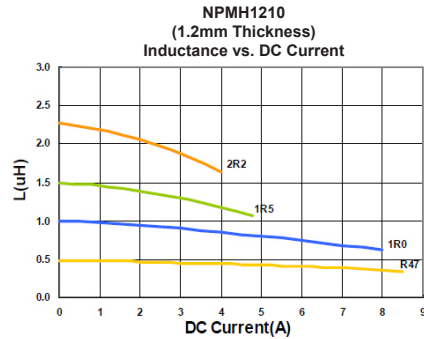
*Irms ΔT+40°C max., Isat ΔL -30% max. @ 25°C

Note: Extended values, tolerances, and enhanced versions are available please contact NIC for more details.



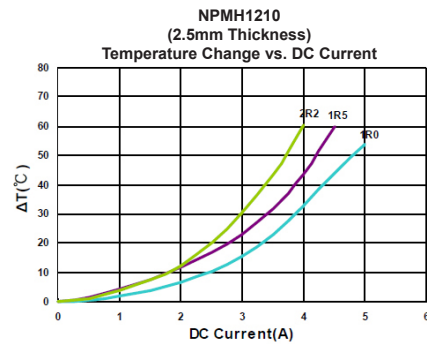
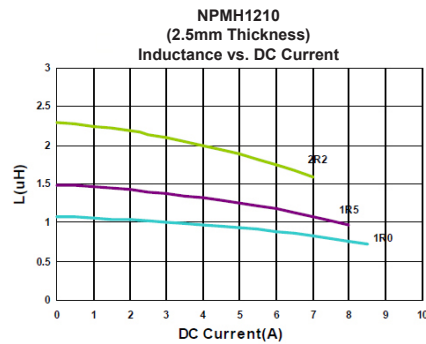
NPMH SERIES 1210 CASE SIZE (1.2mm thickness) STANDARD VALUES & SPECIFICATIONS

NIC P/N	Inductance (μH)	Tolerance	DC Resistance Max. (mOhms)	Isat Current Max. (A)*	Irms Current Max. (A)*	Maximum Thickness (mm)	Reel Quantity
NPMH1210DMR47TR460F	0.47	±20% (M)	25	7.0	4.6	1.2	3,000
NPMH1210DM1R0TR370F	1.00	±20% (M)	34	5.7	3.7	1.2	3,000
NPMH1210DM1R5TR280F	1.50	±20% (M)	59	4.0	2.8	1.2	3,000
NPMH1210DM2R2TR270F	2.20	±20% (M)	73	3.5	2.7	1.2	3,000

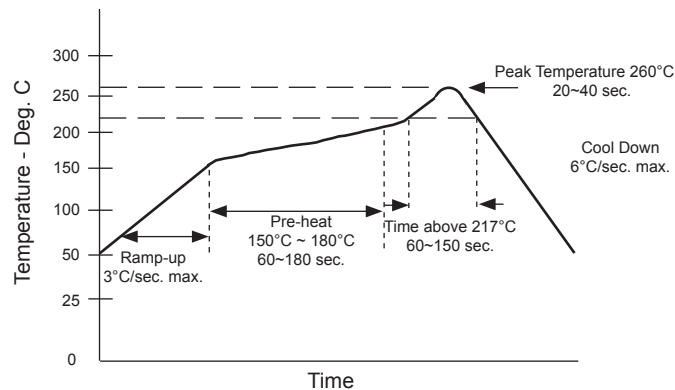


NPMH SERIES 1210 CASE SIZE (2.8mm thickness) STANDARD VALUES & SPECIFICATIONS

NIC P/N	Inductance (μH)	Tolerance	DC Resistance Max. (mOhms)	Isat Current Max. (A)*	Irms Current Max. (A)*	Maximum Thickness (mm)	Reel Quantity
NPMH1210HM1R0TR350F	1.00	±20% (M)	34	6.0	3.5	2.8	1,500
NPMH1210HM1R5TR320F	1.50	±20% (M)	45	5.5	3.2	2.8	1,500
NPMH1210HM2R2TR300F	2.20	±20% (M)	60	4.8	3.0	2.8	1,500



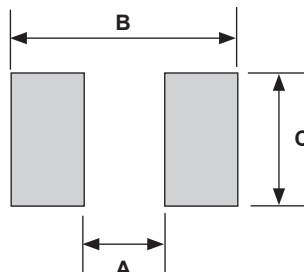
RECOMMENDED REFLOW SOLDERING PROFILE



RECOMMENDED LAND PATTERN DIMENSIONS

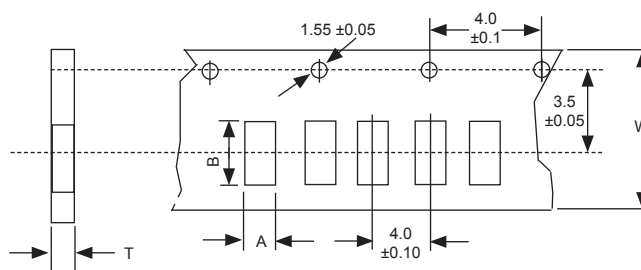
DIMENSIONS (mm)

Case Size	A	B	C
0603	0.7 ~ 0.8	1.8 ~ 2.0	0.8 ~ 1.0
0805	0.8 ~ 1.2	2.3 ~ 2.9	1.0 ~ 1.4
0806	0.7	2.3	1.8
1008	1.2	2.8	2.0
1210	1.7	3.5	2.5



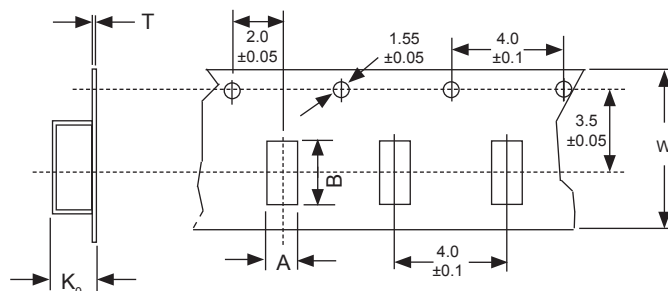
0603 PUNCHED CARRIER DIMENSIONS (mm)

Case Size	A	B	T	W	QTY/REEL
0603	1.20±0.1	1.88±0.1	0.95±0.05	8.0 ± 0.3	4,000



EMBOSSED PLASTIC CARRIER DIMENSIONS (mm)

Case Size	Max. Thickness	A	B	T	K ₀	W	QTY/REEL
0805	0.8	1.45±0.1	2.25±0.1	0.22±0.05	1.04	8.0 ± 0.3	3,000
	1.0	1.50±0.1	2.25±0.1	0.22±0.05	1.15±0.1	8.0 ± 0.3	3,000
0806	0.8	1.80±0.1	2.20±0.1	0.22±0.05	1.15±0.1	8.0 ± 0.3	3,000
	1.0	1.80±0.1	2.20±0.1	0.22±0.05	1.15±0.1	8.0 ± 0.3	3,000
1008	1.0	2.25±0.1	2.80±0.1	0.22±0.05	1.15±0.1	8.0 ± 0.3	3,000
	1.2	2.25±0.1	2.80±0.1	0.22±0.05	1.35±0.1	8.0 ± 0.3	3,000
1210	1.0	2.80±0.1	3.55±0.1	0.23±0.05	1.20±0.1	8.0 ± 0.3	3,000
	1.2	2.80±0.1	3.50±0.1	0.23±0.05	1.34±0.1	8.0 ± 0.3	3,000
	2.8	2.90±0.1	3.50±0.1	0.23±0.05	2.90±0.1	8.0 ± 0.3	1,500



REEL DIMENSIONS (mm):

