

[Surface Mount] SMT Power Inductors

NIC Offers Many Styles & Sizes of SMT Power Inductors

- SHIELDED
- NON-SHIELDED
- WIDE RANGE
- HIGH CURRENT
- LOW PROFILE
- LOW COST

ORDER
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SAMPLES
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NIC Series	Style	Type	Sizes (mm)	Temp. Range	Inductance Range	Isat (Amp)
NPI_L	Non-Shielded	Low Profile	6.6 x 5.5 x 1.2	-20°C ~ +105°C	1.2µH ~ 330µH	2.1A
NPI_C	Non-Shielded	Low Cost	8 Sizes: 3.5 ~ 10	-40°C ~ +105°C	1.0µH ~ 820µH	3.8A
NPI_W	Non-Shielded	Wide Range	6 Sizes: 4.4 ~ 15	-40°C ~ +125°C	1.0µH ~ 1000µH	8.6A
NPI_P	Non-Shielded	High Current	2 Sizes: 9.9 & 16	-40°C ~ +85°C	0.33µH ~ 15µH	30A
NPIS_D	Shielded	Low Profile	6 Sizes: 4.8 ~ 6.6	-55°C ~ +125°C	1.2µH ~ 180µH	3.0A
NPIS_R	Shielded	Wide Range	5 Sizes: 4.4 ~ 15	-40°C ~ +125°C	1.0µH ~ 10,000µH	7.0A
NPIS_H	Shielded	12.5mm L & W	4.6, 6, 8mm H	-25°C ~ +85°C	1.2µH ~ 1000µH	9.8A
NPIS_P	Shielded	High Current	13.6 x 12.9 x 3.5	-55°C ~ +125°C	0.1µH ~ 10µH	56A

[NPI & NPIS are RoHS Compliant & SAC Soldering Compatible]



www.SMTmagnetics.com

- Specifications
- Performance Data
- Cross Reference
- Standard & Custom Kits Available



nc
NIC Components Corp.
www.niccomp.com

Cross - Reference

NIC	CoilCraft	Coiltronics	Pulse	Sumida	Token
NPI, NPIS	DO, LP, MS	DR, DRQ, LD, SD, SDQ,	P, PF, PG	CD, CDR, CDRH, CDRR, VD	MPC, HDI, HLI, SSB

SMT Power Inductor
Products / Applications:

- A/V Control
- AC:DC Power Supplies
- Alarms - Sensors
- Audio Equipment
- Audio Mixers & Amplifiers
- Bill Validators
- Broadband
- Broadband Networking
- Cable Modem
- Controller Boards
- DC-DC Converters
- Diagnostic Equipment
- Docking Stations
- Entertainment System
- Ethernet
- GPS - Land Survey
- High-End Servers
- Laser Printers
- Lighting
- Medical Imaging
- Motherboards
- Networking Routers
- Networking Test Equipment
- Optical Networking Stacks
- Point of Load
- Power Supplies
- Routers & Servers
- Scanners
- Single Board Computers
- Slot Machines - Gaming
- Smoke Detection
- Storage Area Network Equipment
- Switch Mode Power Supply
- Telecom Equipment
- Telecom Power Supplies
- Video - Graphics Boards
- Video Interfaces
- Voltage Regulator Modules

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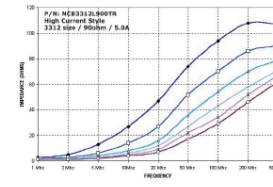
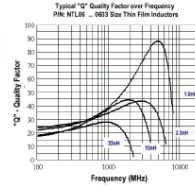
SMT Chip Inductors & Ferrite Chip Beads

NIC Components Corp.
Surface Mount (SMT) Products:

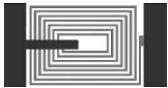
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[NTL - NMI - NIN - NCB are **RoHS** Compliant & **SAC** Soldering Compatible]



NTL Series



NTL Series

Thin Film - Precision Tolerance

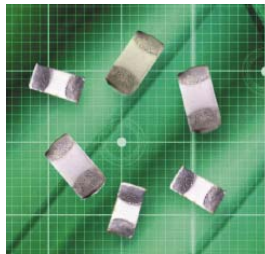
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NIC Series	Style	Type	Size	Temp. Range	Inductance Range	Isat (Amp)
NTL	Thin Film	Precision	0201, 0402, 0603	-40°C ~ +125°C	1.2µH ~ 330µH	0.1A ~ 1.8A
NML	MLI	Low Cost	0402, 0603	-40°C ~ +85°C	1.0nH ~ 220nH	0.1A ~ 0.3A
NIN-H	Wire Wound	High Q, DCI	0603, 0805, 1008	-40°C ~ +125°C	1.8nH ~ 4.7uH	0.16A ~ 1.0A
NIN-F	Molded Case	Wide Range	1008, 1210, 1812	-25°C ~ +85°C	047nH ~ 1000µH	0.04A ~ 0.6A

NIC Series	Style	Type	Sizes	Temp. Range	Impedance Range	DCI (Amp)
NCB	Ferrite Chip	Wide Range	0402, 0603, 0805, 1206, 1210, 1806, 1812	-40°C ~ +125°C	6ohm ~ 2200ohm	0.1 ~ 0.6A
NCB-H	Ferrite Chip	High Current	0603, 0805, 1206, 1806, 1812, 1612, 3312, 3119	-40°C ~ +125°C	10ohm ~ 600ohm	1.0 ~ 5.0A



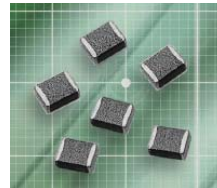
NIN-H Series



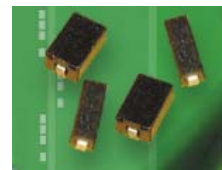
NML Series



NIN-F Series



NCB Series



NCB-H Series



NIN-H Series

Cross - Reference

NIC	Coilcraft	Delevan	KOA	Murata	Panasonic	Taiyo Yuden	TDK	Toko	Vishay-Dale
NTL	---	---	KL73, KQ	---	ELJ-NK, ELJ-RE	---	---	---	IMC
NML	---	---	MHL	LQG, LQP	ELJ-RF	HK	MLK, MLG	LLP, LLV	ILC
NIN	CS, CT, HS, LS	0805, 1008, 1210, 1812	KQ, KL	LQH, LQN, LQW	ELJ-xC, ELJ-xA	LEM	ACL, MLF, NL, NLC	LL, NB	IFC, IMC, ISC
NCB	---	EMI	---	BLM	---	---	ACB, HF	---	ILB

Capacitors:

- Aluminum Electrolytic
- Ceramic
- Film
- Tantalum Electrolytic
- Low ESR

Resistive Products:

- Chip Resistors / Arrays
- Current Sensors
- Thermistors
- Varistors
- Attenuators

Magnetics:

- SMT Power Inductors
- High Freq Inductors
- Ferrite Chip Beads

Diodes:

- Silicon Rectifier
- Schottky Barrier Rectifier

Leaded ITHI Products:

Capacitors:

- Aluminum Electrolytic
- Ceramic
- Film
- Tantalum Electrolytic
- Low ESR

Resistive Products:

- Carbon Film
- Metal Film
- Metal Oxide Film



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