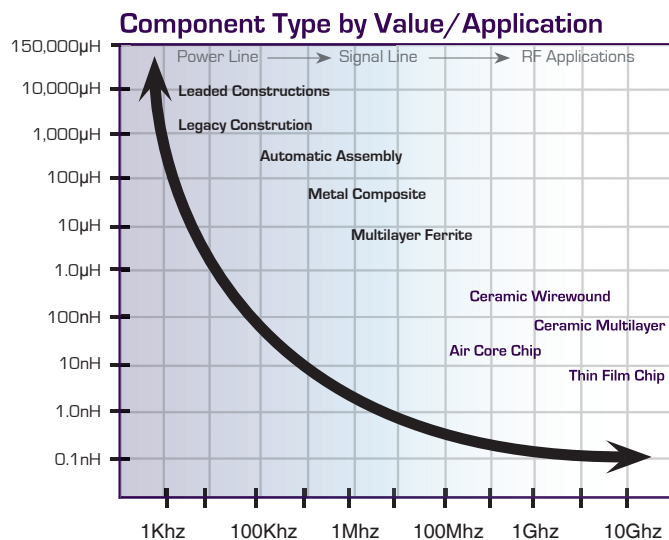


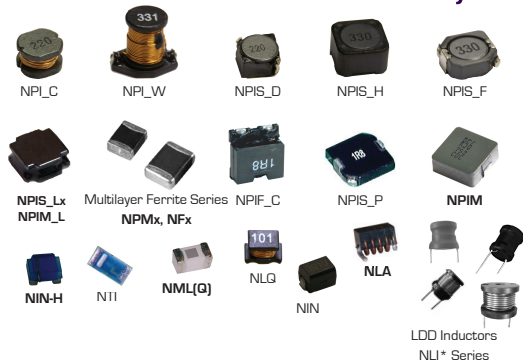
NIC Components Corp. Preferred Inductor Offering

Select your Inductor Series from NIC's Offering of SMT Power, Signal, and RF Types

Power Inductors



Over 100 Sizes from 30+ Series Styles...



Series	Shielding	Description	Type	Inductance Range	DCR Range	Irms Max	Isat Max
NPL_C	Unshielded	Legacy Constructions Common Footprints General Performance	General Purpose	100nH ~ 10uH	70mΩ ~ 0.9Ω	4.0A	4.0A
NPL_W	Unshielded		Extended Ranges	240nH ~ 1.5uH	18mΩ ~ 0.125Ω	8.6A	20A
NPIS_D	Shielded		General Purpose	220nH ~ 10uH	40mΩ ~ 0.5Ω	6.8A	6.8A
NPIS_F	Shielded		Extended Ranges	1uH ~ 150mH	6mΩ ~ 520Ω	13.5A	13.5A
NPIS_H	Shielded		Higher Current	6.3uH ~ 47mH	22mΩ ~ 96.4Ω	11.6A	19.5A
NPIS_L	Shielded	Automatic Assembly High Efficiency High Performance	General Purpose	1.0uH ~ 330uH	6mΩ ~ 0.3Ω	7.8A	11A
NPIS_LA	Shielded		Automotive Grade	1.0uH ~ 15mH	3mΩ ~ 3.39Ω	8.5A	16.5A
NPIS_LP	Shielded		Lower DCR	1.0uH ~ 820uH	18mΩ ~ 12Ω	6.2A	7.8A
NPIS_LS	Shielded		Extended Ranges	1.0uH ~ 4.7mH	9mΩ ~ 13.8Ω	6.3A	13.8A
NPIM_L	Shielded		Metal Composite	150nH ~ 10uH	1.7mΩ ~ 23.8mΩ	7.0A	10.8A
NPIM_LP	Shielded	Multilayer Construction Reduced Sizes Lower Profiles	Metal Composite	240nH ~ 10uH	13mΩ ~ 0.2Ω	6.0A	8.0A
NFH	Shielded		General Purpose	680nH ~ 47uH	1.98mΩ ~ 0.179Ω	1.0A	1.0A
NFP(S)	Shielded		High Performance	100nH ~ 150uH	0.65mΩ ~ 0.35Ω	2.3A	2.5A
NFM	Shielded		Metal Composite	100nH ~ 10uH	0.7mΩ ~ 68mΩ	5.9A	4.0A
NPIM_P	Shielded		Extended Ranges	100nH ~ 4.7uH	1.6mΩ ~ 52mΩ	46A	65A
NPIM_PA	Shielded	High Current - Low Loss Ultra-Low DCR	Automotive Grade	1.0uH ~ 1mH	14mΩ ~ 5.7Ω	55A	118A
NPIM_Z	Shielded		Ultra High Performance	800nH ~ 1mH	4.3mΩ ~ 1.989Ω	32A	40A
NPIM_W	Shielded		Automotive Grade 180°C	470nH ~ 68uH	3.5mΩ ~ 0.21Ω	27A	29A
NPM	Shielded		Reduced Sizes	1.0uH ~ 3.3mH	5.5mΩ ~ 9.44Ω	5.0A	8.0A
NPMH	Shielded		High Performance	800nH ~ 220uH	6mΩ ~ 4Ω	6.2A	9A

RF & Signal Inductors

Series	Application	Construction	Description	Size Range	Inductance Range	Idc Max	Highest Q Min..	Highest SRF Min.
NIN-H	RF	Ceramic Wirewound	Full Range	0402 ~ 1812	1.0nH ~ 33uH	1.5A	75	10.8Ghz
NIN-S	RF		Ultra-High Performance	0402	1.3nH ~ 75nH	3.15A	35	18Ghz
NIN-Z	RF		High Current	0402 ~ 0603	1.0nH ~ 390nH	2.3A	49	16Ghz
NLA	RF	Air Core	High Q, Epoxy Top	0403 ~ 1006	2.5nH ~ 538nH	4A	145	12.5Ghz
NML	RF	Ceramic Multilayer	General Purpose	0201 ~ 0603	0.6nH ~ 470nH	1.0A	12	10Ghz
NMLQ	RF		High Q	0201 ~ 0402	0.6nH ~ 100nH	1.0A	22	10Ghz
NTI	RF	Thin Film	Tight Precision	0201 ~ 0402	0.1nH ~ 100nH	800mA	15	14Ghz
NFI	Signal	Ferrite Multilayer	General Purpose	0402 ~ 1206	0.047nH ~ 47nH	300mA	50	320Mhz
NIN	RF & Signal	Molded Wirewound	Extended Values	1008 ~ 1812	10nH ~ 1mH	1.05A	50	3.3Ghz

Design With Focus Colors

● Focus ● Preferred ● Active ● Non-Standard/NFND

🚗 Series controlled to TS-16949 certified lines and AECQ200 Qualified

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- Solid Chip Aluminum E-Caps (NPC, NSP)
- High CV MLCC's (NMC)
- Co-Polymer Tantalum Caps (NTP)
- Current Sensing Resistors (NCS*)

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Power Inductors	NIC	Bourns	CoilCraft	Kemet	Murata	Sumida	Taiyo Yuden	TDK	Tyco	Vishay	Wurth
	NPI_C	SDE	-	SSB	-	CD VDI	-	-	DN	IDCP	WE-PD2
	NPI_W	SDR	DO	-	-	CDR	-	-	DU	IDC	WE-PD4
	NPIS_D	SRU	MSS	H.DI	-	CDRH_D	-	-	-	-	WE-TPC
	NPIS_F	SRR	MSS	-	-	CDRH	-	-	-	-	WE-TPC XLH
	NPIS_H	SRR	MSS	H.DI	-	CDRH	-	-	-	-	WE-PD
	NPIS_L	SRN	LPS	-	LQH	CDEP	NR MDKK	VLF VLS	-	IFSC	WE-LQSH
	NPIS_LA										
	NPIS_LS										
	NPIS_LP										
	NPIM_L										
	NPIF_C	-	SER	-	-	CDEP	-	-	-	-	-
	NFP(S/H)	-	-	-	LQM	-	CBC	MLZ	-	-	-
	NFM	-	-	-		-	-		-	-	-
	NPIM B/C/P	SRP	MLC, MVR	MPC -	-	CDM CDEP	-	SPM VLB	-	IHLP	WE-MASH-I
	NPIM PA/W										
	NPIM_Z	-	XAL, XFL	-	-	CDMT	-	-	-	-	-
	NPM	-	-	-	DFE	CDM	MAMK	TFM	-	-	-
	NPMH										

Chip Inductors	NIC	Coilcraft	Epcos	KOA	Murata	Panasonic	Taiyo-Yuden	TDK	Toko	Vishay
	NML	-	-	NML NHL	LQG	-	HK	MLG MLK	LLP	ILC
	NFI	-	-	-	LQM	-	-	-	-	ILSB
	NIN-H	CS, CT HS, HP, HT, HQ, LS	B82498F	KQ KL	LQW	-	-	ACL, NL NLC	LL LLQ	IFC
	NIN-S									
	NIN-Z									
	NIN	CS, CT HS, LS	-	KQ KL	LQN	ELJ=C ELJ-A	LEM	-	LS NB	IMC ISC