

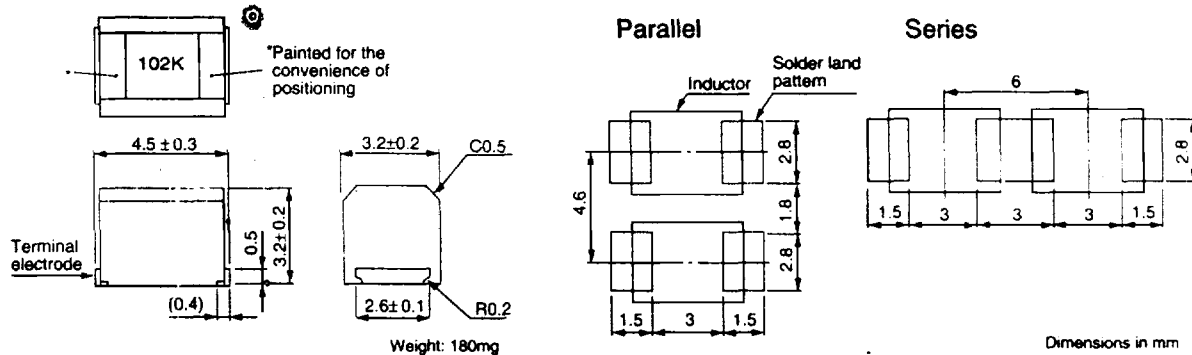
INDUCTORS

Leadless

NLF SERIES

NLF1812 TYPE (Shielded Type)

Shapes and Dimensions/Recommended PC Board Patterns



Electrical Characteristics

Distributor Part Number	TDK Manufacturing Part Number	Inductance (μH)	Q Min.	L,Q Test Freq. (MHz)	SFR (MHz) Min.	DC Resistance (Ω) Max.	Rated DC Current (mA) Max.
NLF1812-1R0M	NLF453232T-1R0M	1.0±20%	30	7.96	140.0	0.35	150
NLF1812-1R2M	NLF453232T-1R2M	1.2±20%	30	7.96	120.0	0.38	145
NLF1812-1R5M	NLF453232T-1R5M	1.5±20%	30	7.96	100.0	0.42	140
NLF1812-1R8M	NLF453232T-1R8M	1.8±20%	30	7.96	90.0	0.48	120
NLF1812-2R2M	NLF453232T-2R2M	2.2±20%	30	7.96	80.0	0.50	110
NLF1812-2R7M	NLF453232T-2R7M	2.7±20%	30	7.96	70.0	0.55	105
NLF1812-3R3M	NLF453232T-3R3M	3.3±20%	30	7.96	65.0	0.60	100
NLF1812-3R9M	NLF453232T-3R9M	3.9±20%	30	7.96	60.0	0.66	90
NLF1812-4R7M	NLF453232T-4R7M	4.7±20%	30	7.96	55.0	0.71	85
NLF1812-5R6M	NLF453232T-5R6M	5.6±20%	30	7.96	45.0	0.75	80
NLF1812-6R8M	NLF453232T-6R8M	6.8±20%	30	7.96	40.0	0.90	70
NLF1812-8R2M	NLF453232T-8R2M	8.2±20%	30	7.96	35.0	1.00	65
NLF1812-100K	NLF453232T-100K	10±10%	50	2.52	30.0	1.10	60
NLF1812-120K	NLF453232T-120K	12±10%	50	2.52	27.0	1.20	58
NLF1812-150K	NLF453232T-150K	15±10%	50	2.52	24.0	1.30	55
NLF1812-180K	NLF453232T-180K	18±10%	50	2.52	22.0	1.45	52
NLF1812-220K	NLF453232T-220K	22±10%	50	2.52	20.0	1.60	48
NLF1812-270K	NLF453232T-270K	27±10%	50	2.52	17.0	1.90	44
NLF1812-330K	NLF453232T-330K	33±10%	50	2.52	15.0	2.00	42
NLF1812-390K	NLF453232T-390K	39±10%	50	2.52	13.0	2.20	40
NLF1812-470K	NLF453232T-470K	47±10%	50	2.52	12.0	2.40	38
NLF1812-560K	NLF453232T-560K	56±10%	50	2.52	11.0	2.65	36

INDUCTORS

Leadless

NLF SERIES

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NLF1812 TYPE (Shielded Type) (Continued)

Electrical Characteristics

Designating Part Number	TDK Manufacturing Part Number	Inductance (μ H)	Q Min.	LQ Test Freq. (MHz)	SRF (MHz) Min.	DC Resistance (Ω) Max.	Rated DC Current (mA) Max.
NLF1812-680K	NLF453232T-680K	68 \pm 10%	50	2.52	10.0	3.00	33
NLF1812-820K	NLF453232T-820K	82 \pm 10%	50	2.52	10.0	3.30	31
NLF1812-101K	NLF453232T-101K	100 \pm 10%	50	0.796	9.0	3.80	29
NLF1812-121K	NLF453232T-121K	120 \pm 10%	50	0.796	8.0	4.50	27
NLF1812-151K	NLF453232T-151K	150 \pm 10%	50	0.796	7.0	5.70	26
NLF1812-181K	NLF453232T-181K	180 \pm 10%	40	0.796	6.0	6.30	24
NLF1812-221K	NLF453232T-221K	220 \pm 10%	40	0.796	5.5	6.90	23
NLF1812-271K	NLF453232T-271K	270 \pm 10%	40	0.796	5.0	7.60	23
NLF1812-331K	NLF453232T-331K	330 \pm 10%	40	0.796	4.5	9.00	20
NLF1812-391K	NLF453232T-391K	390 \pm 10%	40	0.796	4.0	9.50	19
NLF1812-471K	NLF453232T-471K	470 \pm 10%	40	0.796	3.8	10.50	18
NLF1812-561K	NLF453232T-561K	560 \pm 10%	40	0.796	3.6	12.00	17
NLF1812-681K	NLF453232T-681K	680 \pm 10%	40	0.796	3.4	13.50	16
NLF1812-821K	NLF453232T-821K	820 \pm 10%	40	0.796	3.0	16.00	15
NLF1812-102K	NLF453232T-102K	1000 \pm 10%	40	0.252	2.5	18.00	14

INDUCTORS