

SERIES

106
Micro i®



Wire Bondable Chip Inductors



Physical Parameters

	Inches	Millimeters
A	0.075 Max.	1.91 Max.
B	0.155 Max.	3.94 Max.
C	0.110 Max.	2.79 Max.
D	0.015 Ref.	0.38 Ref.
E	0.030 ± 0.005	0.76 ± 0.13
F	0.025 Min.	0.64 Min.

Weight Max. (Grams) 0.2

Current Rating at 90°C Ambient 35°C Rise

Operating Temperature -55°C to +125°C

Maximum Power Dissipation at 90°C 0.140 W

Termination Areas Gold plated per MIL-G-45204, Type III; Grade A. Internal Connections are Thermal Compression Bonded

****Note** Self Resonant Frequency (SRF) values above 230 MHz are calculated and for reference only

Packaging Bulk only

Made in the U.S.A

DASH NUMBER*	INDUCTANCE (µH) ±10%	TEST FREQUENCY (MHz)	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES 106 PHENOLIC CORE					
-100K	0.010	45	150	1700	0.070
-120K	0.012	45	150	1600	0.070
-150K	0.015	45	150	1500	0.070
-180K	0.018	45	150	1400	0.070
-220K	0.022	45	100	1300	0.070
-270K	0.027	45	100	1200	0.070
-330K	0.033	47	100	1100	0.070
-390K	0.039	47	100	1000	0.070
-470K	0.047	47	100	900	0.080
-560K	0.056	47	100	850	0.090
-680K	0.068	47	100	840	0.100
-820K	0.082	47	100	750	0.110
SERIES 106 IRON CORE					
-101K	0.10	40	25.0	550	0.15
-121K	0.12	42	25.0	400	0.20
-151K	0.15	42	25.0	350	0.25
-181K	0.18	45	25.0	300	0.30
-221K	0.22	45	25.0	260	0.33
-271K	0.27	45	25.0	230	0.37
-331K	0.33	45	25.0	200	0.40
-391K	0.39	45	25.0	190	0.45
-471K	0.47	45	25.0	180	0.50
-561K	0.56	42	25.0	170	0.55
-681K	0.68	42	25.0	160	0.60
-821K	0.82	42	25.0	150	0.70
-102K	1.0	42	25.0	130	0.80
-122K	1.2	36	7.9	120	0.90
-152K	1.5	36	7.9	100	1.10
-182K	1.8	38	7.9	90	1.30
-222K	2.2	38	7.9	85	1.50
-272K	2.7	41	7.9	82	1.70
-332K	3.3	42	7.9	75	1.80
-392K	3.9	42	7.9	65	2.00
-472K	4.7	41	7.9	55	2.30
-562K	5.6	41	7.9	45	2.60
-682K	6.8	36	7.9	40	2.80
-822K	8.2	36	7.9	35	3.00
-103K	10.0	36	7.9	33	3.30
-123K	12.0	32	2.5	26	4.00
-153K	15.0	32	2.5	24	5.20
-183K	18.0	32	2.5	21	4.50
-223K	22.0	32	2.5	19	7.50
-273K	27.0	32	2.5	14	8.00
-333K	33.0	30	2.5	12	13.0
-393K	39.0	30	2.5	10	17.0
-473K	47.0	30	2.5	9.0	19.0

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

For surface finish information, refer to www.delevanfinishes.com