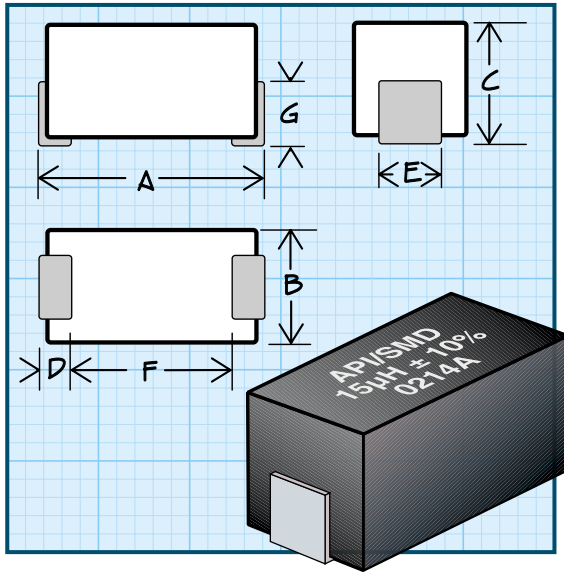


**Unshielded Surface Mount Inductors**



**Physical Parameters**

	Inches	Millimeters
A	0.235 to 0.255	5.97 to 6.48
B	0.085 to 0.105	2.16 to 2.67
C	0.090 to 0.110	2.29 to 2.79
D	0.060 to 0.080	1.52 to 2.03
E	0.035 to 0.055	0.89 to 1.40
F	0.100 (Ref. only)	2.54 (Ref. only)
G	0.059 (Ref. only)	1.47 (Ref. only)

Dimensions "A" and "C" are over terminals.

**Weight Max. (Grams)**

Phenolic: 0.19  
Iron & Ferrite: 0.22

**Operating Temperature Range**

Phenolic: -55°C to +125°C  
Iron & Ferrite: -55°C to +105°C

**Current Rating at 90°C Ambient**

Phenolic: 35°C Rise  
Iron & Ferrite: 15°C Rise

**Maximum Power Dissipation at 90°C Ambient**

Phenolic: 0.145 W  
Iron & Ferrite: 0.062 W

**Packaging** Tape & reel (12mm): 7" reel, 750 pieces max.; 13" reel, 2700 pieces max.

*Made In the U.S.A. Patent Protected*

DASH NUMBER\*

INDUCTANCE  
(µH) ±10%

Q MINIMUM

TEST FREQUENCY (MHz)

SRF MINIMUM (MHz)

DC RESISTANCE  
MAXIMUM (OHMS)

CURRENT RATING  
MAX. (mA)

**SERIES 2510 PHENOLIC CORE**

-00K	0.10	25	25.0	640.0	0.14	865
-02K	0.12	25	25.0	610.0	0.17	785
-04K	0.15	25	25.0	530.0	0.20	725
-06K	0.18	25	25.0	510.0	0.22	690
-08K	0.22	25	25.0	480.0	0.26	635
-10K	0.27	25	25.0	440.0	0.40	510
-12K	0.33	25	25.0	410.0	0.50	455
-14K	0.39	25	25.0	380.0	0.60	415
-16K	0.47	25	25.0	340.0	0.63	405

**SERIES 2510 IRON CORE**

-18K	0.56	35	25.0	240.0	0.19	500
-20K	0.68	35	25.0	210.0	0.21	475
-22K	0.82	35	25.0	200.0	0.24	444
-24K	1.0	35	7.9	180.0	0.27	418
-26K	1.2	25	7.9	160.0	0.32	385
-28K	1.5	30	7.9	140.0	0.53	300
-30K	1.8	30	7.9	125.0	0.59	283
-32K	2.2	30	7.9	120.0	0.76	250
-34K	2.7	30	7.9	100.0	0.90	229
-36K	3.3	35	7.9	90.0	1.35	187
-38K	3.9	35	7.9	85.0	1.70	167
-40K	4.7	35	7.9	80.0	2.30	143
-42K	5.6	35	7.9	75.0	3.10	123
-44K	6.8	35	7.9	64.0	3.60	114
-46K	8.2	35	7.9	50.0	4.8	99
-48K	10.0	35	7.9	45.0	5.7	91
-50K	12.0	25	2.5	29.0	3.3	120
-52K	15.0	25	2.5	24.0	3.8	110
-54K	18.0	25	2.5	21.0	4.2	106
-56K	22.0	25	2.5	18.0	4.7	100
-58K	27.0	25	2.5	17.0	5.7	91
-60K	33.0	25	2.5	15.0	6.2	87
-62K	39.0	25	2.5	13.0	8.1	76
-64K	47.0	25	2.5	12.0	9.8	69
-66K	56.0	25	2.5	11.0	12.0	62
-68K	68.0	25	2.5	10.0	13.8	58
-70K	82.0	25	2.5	9.0	19.0	50
-72K	100.0	25	2.5	8.9	21.0	47

**SERIES 2510 FERRITE CORE**

-74K	120.0	15	0.79	8.5	17.0	52
-76K	150.0	15	0.79	7.6	19.0	49
-78K	180.0	15	0.79	7.2	21.5	46
-80K	220.0	15	0.79	6.8	32.0	38
-82K	270.0	15	0.79	6.2	37.0	35
-84K	330.0	15	0.79	5.3	47.0	31
-86K	390.0	15	0.79	5.0	53.0	30
-88K	470.0	15	0.79	4.6	60.0	28
-90K	560.0	15	0.79	4.3	71.0	25
-92K	680.0	15	0.79	3.8	83.0	23
-94K	820.0	15	0.79	3.2	95.0	22
-96K	1000.0	15	0.79	2.4	108.0	20

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

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

For further surface finish information,  
refer to TECHNICAL section of this catalog.