

Series

SP1008R SP1008



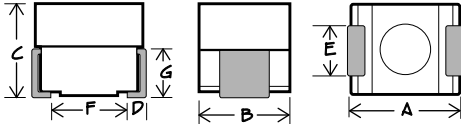
Shielded Surface Mount Power Inductors

DASH NUMBER*

INDUCTANCE (μH)
±10% @ 100 kHz

DC RESISTANCE
MAXIMUM (Ohms)

CURRENT RATING
MAX. (mA DC)



Physical Parameters

	Inches	Millimeters
A	0.095 to 0.115	2.41 to 2.92
B	0.085 to 0.105	2.16 to 2.66
C	0.0755 to 0.095	1.91 to 2.41
D	0.010 to 0.030	0.26 tp 0.76
E	0.040 to 0.060	1.02 to 1.52
F	0.060 (Ref. only)	1.52 (Ref. only)
G	0.045 (Ref. only)	1.14 (Ref. only)

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

Operating Temperature Range -55° C to +125° C

Current Rating at 90° Ambient 35° C Rise

Maximum Power Dissipation at 90° C 0.157 W

Inductance Measured at 1V with no DC Current.

Incremental Current The current at which the inductance will be decreased by a maximum of 5% from its initial 0 ADC value.

Packaging Tape & reel (8mm): 7" reel, 2000 pieces max.; 13" reel, 7000 pieces max.

Coupling 5% Typical (Ref. M83446, 1mm spacing)

Made in the U.S.A.

SERIES SP1008 FERRITE CORE			
-271K	0.270	0.099	1070
-331K	0.330	0.108	1030
-391K	0.390	0.118	980
-471K	0.470	0.128	941
-561K	0.560	0.147	878
-681K	0.680	0.157	850
-821K	0.820	0.167	824
-102K	1.00	0.228	705
-122K	1.20	0.252	671
-152K	1.50	0.288	627
-182K	1.80	0.392	538
-222K	2.20	0.437	509
-272K	2.70	0.482	485
-332K	3.30	0.527	465
-392K	3.90	0.739	392
-472K	4.70	0.817	372
-562K	5.60	0.895	356
-682K	6.80	1.43	282
-822K	8.20	1.54	271
-103K	10.0	1.70	258
-123K	12.0	1.87	246
-153K	15.0	2.10	232
-183K	18.0	2.88	198
-223K	22.0	4.02	168
-273K	27.0	4.50	159
-333K	33.0	4.90	152
-393K	39.0	5.30	146
-473K	47.0	5.90	139
-563K	56.0	6.40	133
-683K	68.0	9.00	112
-823K	82.0	9.90	107
-104K	100	10.9	102

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

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

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

