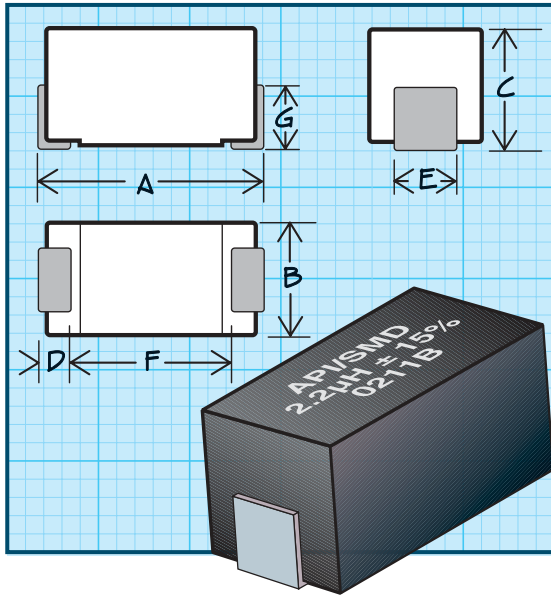


Series 4922 High Current Surface Mount Power Inductors



Mechanical Configuration Units are encapsulated in a Surface Mount package, using an epoxy molded case. Leads are pre-tinned. A high resistivity ferrite core allows for high inductance with low DC resistance.

Physical Parameters

	Inches	Millimeters
A	0.490 to 0.520	12.44 to 13.21
B	0.230 to 0.250	5.84 to 6.35
C	0.210 to 0.230	5.33 to 5.84
D	0.050 Min.	1.27 Min.
E	0.055 to .075	1.40 to 1.91
F	0.330 (Ref. only)	8.38 (Ref. only)
G	0.120 (Ref. only)	3.04 (Ref. only)

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

Current Rating at 85°C Ambient 40°C Rise

Maximum Power Dissipation at 85°C 0.55 Watts

Inductance

Measured at 1 VAC open circuit with no DC current.

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

Weight (Grams Max.) 1.5

Packaging Tape & reel (24mm): 13" reel, 800 pieces max.; 7" reel not available

Made In the U.S.A. Patent Protected

PART NUMBER	INDUCTANCE @ 1 KHz (µH) ± 15%	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (Amps)	INCREMENTAL CURRENT (Amps)
SERIES 4922 FERRITE CORE				
4922-221L	0.22	0.0080	7.00	7.00
4922-271L	0.27	0.0085	6.75	6.75
4922-331L	0.33	0.0090	6.50	6.50
4922-391L	0.39	0.0095	6.25	6.25
4922-471L	0.47	0.0100	6.00	6.00
4922-561L	0.56	0.0105	5.80	5.80
4922-681L	0.68	0.0110	5.70	5.70
4922-821L	0.82	0.0120	5.60	5.60
4922-01L	1.00	0.013	5.50	5.50
4922-02L	1.20	0.018	4.69	4.69
4922-03L	1.50	0.020	4.45	4.45
4922-04L	1.80	0.021	4.34	4.34
4922-05L	2.20	0.029	3.70	3.70
4922-06L	2.70	0.034	3.41	3.41
4922-07L	3.30	0.038	3.23	3.23
4922-08L	3.90	0.042	3.07	3.07
4922-09L	4.70	0.047	2.90	2.90
4922-10L	5.60	0.051	2.79	2.79
4922-11L	6.80	0.058	2.61	2.61
4922-12L	8.20	0.063	2.51	2.51
4922-13L	10.0	0.071	2.36	2.36
4922-14L	12.0	0.079	2.24	2.24
4922-15L	15.0	0.089	2.11	2.11
4922-16L	18.0	0.119	1.82	1.82
4922-17L	22.0	0.152	1.61	1.61
4922-18L	27.0	0.179	1.48	1.48
4922-19L	33.0	0.222	1.33	1.33
4922-20L	39.0	0.315	1.12	1.12
4922-21L	47.0	0.362	1.04	1.04
4922-22L	56.0	0.397	1.00	1.00
4922-23L	68.0	0.418	0.97	0.97
4922-24L	82.0	0.604	0.81	0.81
4922-25L	100	0.672	0.76	0.76
4922-26L	120	0.735	0.73	0.73
4922-27L	150	0.998	0.63	0.63
4922-28L	180	1.370	0.53	0.53
4922-29L	220	1.580	0.50	0.50
4922-30L	270	1.770	0.47	0.47
4922-31L	330	2.510	0.39	0.39
4922-32L	390	2.730	0.38	0.38
4922-33L	470	3.250	0.35	0.35
4922-34L	560	3.750	0.33	0.33
4922-35L	680	4.310	0.30	0.30
4922-36L	820	6.040	0.26	0.26
4922-37L	1000	6.900	0.24	0.24
4922-38L	1200	10.00	0.200	0.200
4922-39L	1500	12.50	0.178	0.178
4922-40L	1800	16.00	0.157	0.157
4922-41L	2200	20.00	0.141	0.141
4922-42L	2700	23.00	0.131	0.131
4922-43L	3300	25.00	0.126	0.126
4922-44L	3900	33.00	0.110	0.110
4922-45L	4700	37.00	0.103	0.103
4922-46L	5600	40.00	0.100	0.100
4922-47L	6800	62.00	0.080	0.080
4922-48L	8200	66.00	0.077	0.077
4922-49L	10000	74.00	0.071	0.071
4922-50L	12000	93.00	0.065	0.065
4922-51L	15000	105.0	0.061	0.061
4922-52L	18000	143.0	0.052	0.052
4922-53L	22000	160.0	0.050	0.050

OPTIONAL TOLERANCES:
 VALUES < 10µH: K=10% J=5%
 VALUES > 10µH: K=10% J=5% H=3%

POWER INDUCTORS