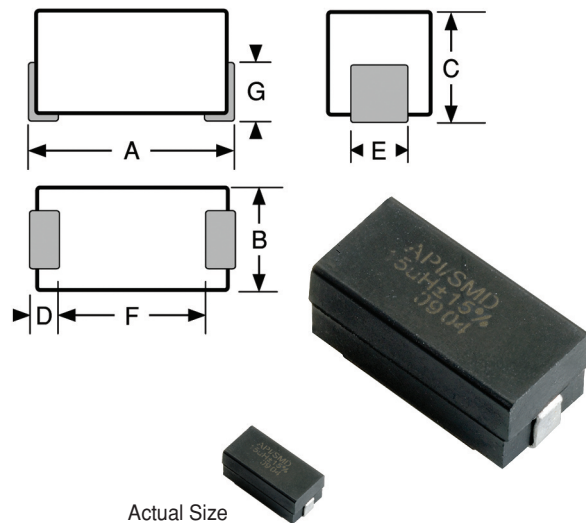


SERIES**MIL4922**

High Current, MIL-PRF-27/367 Qualified 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 +130°C

Current Rating at 85°C Ambient 45°C Rise

Maximum Power Dissipation at 85°C 0.55 W

Inductance

Measured at 1 VAC open circuit with no DC current
Incremental Current The current at which the inductance will decrease by a maximum of 5% from its inductance at zero DC current.

Weight (Grams Max.) 1.5

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

Lead Finish Sn63Pb37
(Tin-Lead) Hot Solder Dipped

Made In the U.S.A.

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

DASH NUMBER*	MIL DASH	INDUCTANCE @ 1 kHz (μ H) $\pm 15\%$	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (Amps)	INCREMENTAL CURRENT (Amps)	Power Inductors
M27/367 - SERIES MIL4922 FERRITE CORE						
-221L	-01	0.22	0.0080	7.00	7.00	
-271L	-02	0.27	0.0085	6.75	6.75	
-331L	-03	0.33	0.0090	6.50	6.50	
-391L	-04	0.39	0.0095	6.25	6.25	
-471L	-05	0.47	0.0100	6.00	6.00	
-561L	-06	0.56	0.0105	5.80	5.80	
-681L	-07	0.68	0.0110	5.70	5.70	
-821L	-08	0.82	0.0120	5.60	5.60	
-01L	-09	1.00	0.013	5.50	5.50	
-02L	-10	1.20	0.018	4.69	4.69	
-03L	-11	1.50	0.020	4.45	4.45	
-04L	-12	1.80	0.021	4.34	4.34	
-05L	-13	2.20	0.029	3.70	3.70	
-06L	-14	2.70	0.034	3.41	3.41	
-07L	-15	3.30	0.038	3.23	3.23	
-08L	-16	3.90	0.042	3.07	3.07	
-09L	-17	4.70	0.047	2.90	2.90	
-10L	-18	5.60	0.051	2.79	2.79	
-11L	-19	6.80	0.058	2.61	2.61	
-12L	-20	8.20	0.063	2.51	2.51	
-13L	-21	10.0	0.071	2.36	2.36	
-14L	-22	12.0	0.079	2.24	2.24	
-15L	-23	15.0	0.089	2.11	2.11	
-16L	-24	18.0	0.119	1.82	1.82	
-17L	-25	22.0	0.152	1.61	1.61	
-18L	-26	27.0	0.179	1.48	1.48	
-19L	-27	33.0	0.222	1.33	1.33	
-20L	-28	39.0	0.315	1.12	1.12	
-21L	-29	47.0	0.362	1.04	1.04	
-22L	-30	56.0	0.397	1.00	1.00	
-23L	-31	68.0	0.418	0.97	0.97	
-24L	-32	82.0	0.604	0.81	0.81	
-25L	-33	100	0.672	0.76	0.76	
-26L	-34	120	0.735	0.73	0.73	
-27L	-35	150	0.998	0.63	0.63	
-28L	-36	180	1.370	0.53	0.53	
-29L	-37	220	1.580	0.50	0.50	
-30L	-38	270	1.770	0.47	0.47	
-31L	-39	330	2.510	0.39	0.39	
-32L	-40	390	2.730	0.38	0.38	
-33L	-41	470	3.250	0.35	0.35	
-34L	-42	560	3.750	0.33	0.33	
-35L	-43	680	4.310	0.30	0.30	
-36L	-44	820	6.040	0.26	0.26	
-37L	-45	1000	6.900	0.24	0.24	
-38L	-46	1200	10.00	0.200	0.200	
-39L	-47	1500	12.50	0.178	0.178	
-40L	-48	1800	16.00	0.157	0.157	
-41L	-49	2200	20.00	0.141	0.141	
-42L	-50	2700	23.00	0.131	0.131	
-43L	-51	3300	25.00	0.126	0.126	
-44L	-52	3900	33.00	0.110	0.110	
-45L	-53	4700	37.00	0.103	0.103	
-46L	-54	5600	40.00	0.100	0.100	
-47L	-55	6800	62.00	0.080	0.080	
-48L	-56	8200	66.00	0.077	0.077	
-49L	-57	10000	74.00	0.071	0.071	
-50L	-58	12000	93.00	0.065	0.065	
-51L	-59	15000	105.0	0.061	0.061	
-52L	-60	18000	143.0	0.052	0.052	
-53L	-61	22000	160.0	0.050	0.050	