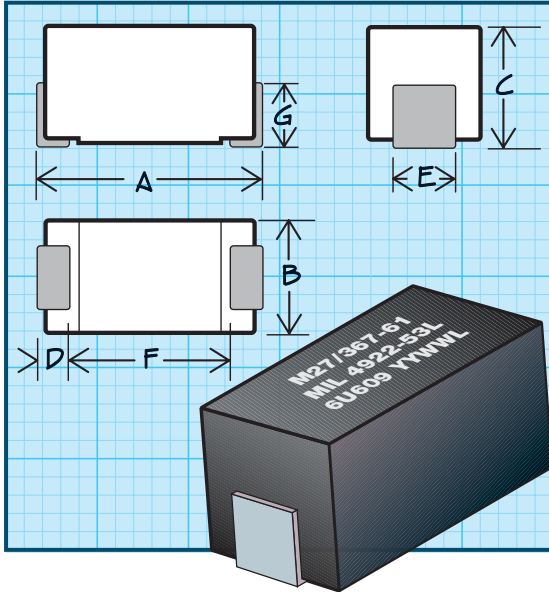


# Series MIL4922



## 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 Watts

### 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.*

DASH NUMBER*		MIL DASH	INDUCTANCE @ 1 KHz (μH) ± 15%	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (Amps)	INCREMENTAL CURRENT (Amps)
<b>SERIES MIL4922 FERRITE CORE</b>						
-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

\*Complete part # must include MIL4922 PLUS the dash #

POWER INDUCTORS