



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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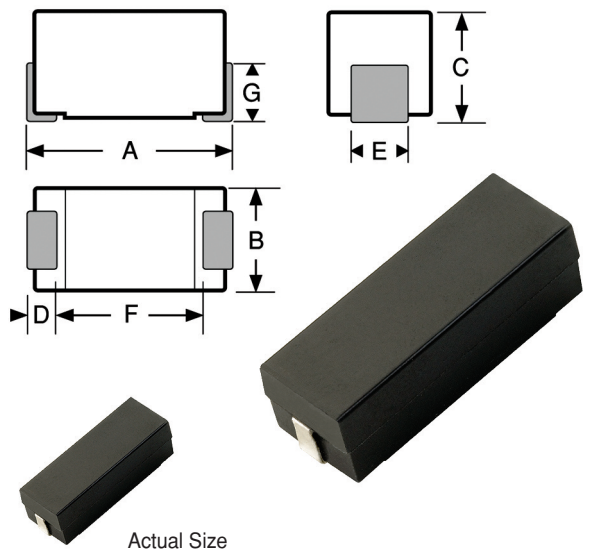
SERIES

MIL8532



High Current, MIL-PRF-27/370 Qualified Surface Mount Power Inductors

DASH NUMBER*
MIL DASH #
INDUCTANCE @ 1 kHz (μH) ±15%
DC RESISTANCE MAXIMUM (OHMS)
CURRENT RATING MAXIMUM (Amps)
CURRENT DC (Amps)
INCREMENTAL



Mechanical Configuration

Units are encapsulated in a Surface Mount package, using an epoxy molded case. High resistivity ferrite core, allows for high inductance with low DC resistance.

Physical Parameters

	Inches	Millimeters
A	0.840 to 0.880	21.34 to 22.35
B	0.310 to 0.330	7.87 to 8.38
C	0.266 to 0.286	6.76 to 7.26
D	0.050 Min.	1.27 Min.
E	0.070 to 0.110	1.78 to 2.79
F	0.750 (Ref. only)	19.05 (Ref. only)
G	0.120 (Ref. only)	3.05 (Ref. only)

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

Operating Temperature Range -55°C to +130°C

Current Rating at 85°C Ambient 45°C Rise

Maximum Power Dissipation at 85°C 0.50 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.) 2.5

Packaging Tape & reel (44mm):
13" reel, 480 pieces max.; 7" reel not available

Lead Finish Sn63Pb37
(Tin-Lead) Hot Solder Dipped

Made In the U.S.A.

M27/370 - SERIES MIL8532 FERRITE CORE						
DASH NUMBER*	MIL DASH #	INDUCTANCE @ 1 kHz (μH) ±15%	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (Amps)	CURRENT DC (Amps)	INCREMENTAL
-01L	-01	1.0	0.009	6.27	6.4	
-02L	-02	1.2	0.010	5.95	5.8	
-03L	-03	1.5	0.011	5.67	5.2	
-04L	-04	1.8	0.012	5.43	4.8	
-05L	-05	2.2	0.013	5.22	4.3	
-06L	-06	2.7	0.014	5.03	3.9	
-07L	-07	3.3	0.016	4.70	3.5	
-08L	-08	3.9	0.017	4.56	3.2	
-09L	-09	4.7	0.022	4.01	2.9	
-10L	-10	5.6	0.024	3.84	2.7	
-11L	-11	6.8	0.026	3.69	2.5	
-12L	-12	8.2	0.028	3.55	2.2	
-13L	-13	10.0	0.033	3.27	2.0	
-14L	-14	12.0	0.037	3.09	1.8	
-15L	-15	15.0	0.040	2.97	1.6	
-16L	-16	18.0	0.044	2.84	1.5	
-17L	-17	22.0	0.050	2.66	1.4	
-18L	-18	27.0	0.070	2.25	1.2	
-19L	-19	33.0	0.075	2.17	1.1	
-20L	-20	39.0	0.084	2.05	1.0	
-21L	-21	47.0	0.104	1.84	0.93	
-22L	-22	56.0	0.130	1.65	0.85	
-23L	-23	68.0	0.145	1.56	0.77	
-24L	-24	82.0	0.152	1.53	0.71	
-25L	-25	100.0	0.208	1.30	0.64	
-26L	-26	120.0	0.283	1.12	0.58	
-27L	-27	150.0	0.330	1.04	0.52	
-28L	-28	180.0	0.362	0.99	0.48	
-29L	-29	220.0	0.505	0.84	0.43	
-30L	-30	270.0	0.557	0.80	0.39	
-31L	-31	330.0	0.650	0.74	0.35	
-32L	-32	390.0	0.770	0.68	0.32	
-33L	-33	470.0	1.03	0.59	0.29	
-34L	-34	560.0	1.14	0.56	0.27	
-35L	-35	680.0	1.50	0.49	0.25	
-36L	-36	820.0	1.98	0.42	0.22	
-37L	-37	1000.0	2.30	0.39	0.20	
-38L	-38	1200.0	2.55	0.37	0.18	
-39L	-39	1500.0	3.00	0.34	0.16	
-40L	-40	1800.0	4.00	0.30	0.15	
-41L	-41	2200.0	4.40	0.28	0.14	
-42L	-42	2700.0	5.80	0.25	0.12	
-43L	-43	3300.0	6.56	0.23	0.11	
-44L	-44	3900.0	8.63	0.20	0.10	
-45L	-45	4700.0	10.1	0.19	0.09	
-46L	-46	5600.0	11.2	0.18	0.09	
-47L	-47	6800.0	15.0	0.15	0.08	
-48L	-48	8200.0	20.8	0.13	0.07	
-49L	-49	10000.0	23.4	0.12	0.06	
-50L	-50	12000.0	26.0	0.12	0.06	
-51L	-51	15000.0	36.0	0.10	0.05	
-52L	-52	18000.0	40.0	0.09	0.05	

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