



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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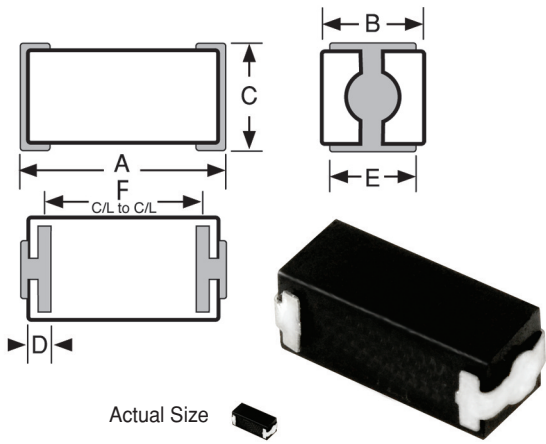
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



SERIES M1331



Shielded Surface Mount Inductors



Actual Size

Military QPL Approval

- M83446/26 Iron Core/Iron Sleeve
- M83446/26 Iron Core/Ferrite Sleeve
- M83446/27 Ferrite Core/Ferrite Sleeve

† **Ordering Note** Military parts must be ordered to the M83446/ part number

Physical Parameters

	Inches	Millimeters
A	0.300 to 0.320	7.62 to 8.13
B	0.105 to 0.125	2.67 to 3.18
C	0.125 to 0.145	3.18 to 3.68
D	0.020 to 0.040	0.51 to 1.02
E	0.075 to 0.095	1.91 to 2.41
F	0.230 to 0.260	5.84 to 6.60

Dimensions "A" and "C" are over terminations

Weight Max (Grams) 0.30

Operating Temperature Range -55°C to +105°C

Current Rating at 90°C Ambient 15°C Rise

Maximum Power Dissipation at 90°C 0.585 W

Incremental Current Current level which causes a maximum of 5% decrease in inductance.

Coupling 3% Max.

****Note** Self Resonant Frequency (SRF) values for -101K to -331K are calculated and for reference only.

Marking API/SMD; inductance with units and tolerance followed by an S; date code (YYWWL) followed by an M. Example: M1331-683K

API/SMD
68uH±10%S
1321A M

DASH NUMBER*
MIL DASH #
INDUCTANCE (µH) ±10%
TEST FREQUENCY (MHz)
Q MINIMUM
SRF MINIMUM (MHz)
CURRENT RATING MAXIMUM (mA)**
MAXIMUM (mA)
DC RESISTANCE MAXIMUM (OHMS)
INCREMENTAL CURRENT (mA)

M83446/26 – SERIES M1331 IRON CORE - IRON SLEEVE								
-101K	01F	0.10	45	25.0	490.0**	670	0.10	670
-121K	02F	0.12	45	25.0	430.0**	635	0.11	635
-151K	03F	0.15	45	25.0	415.0**	610	0.12	610
-181K	04F	0.18	45	25.0	375.0**	585	0.13	585
-221K	05F	0.22	45	25.0	330.0**	545	0.15	545
-271K	06F	0.27	45	25.0	300.0**	530	0.16	530
-331K	07F	0.33	44	25.0	260.0**	495	0.18	495
-391K	08F	0.39	42	25.0	230.0	485	0.19	485
-471K	09F	0.47	41	25.0	220.0	460	0.21	460
-561K	10F	0.56	41	25.0	210.0	440	0.23	440
-681K	11F	0.68	39	25.0	180.0	430	0.24	430
-821K	12F	0.82	38	25.0	165.0	405	0.27	405
-102K	13F	1.00	37	25.0	150.0	385	0.30	385
-122K	14F	1.20	40	7.9	130.0	247	0.73	247
-152K	15F	1.50	41	7.9	115.0	228	0.86	228
-182K	16F	1.80	43	7.9	105.0	217	0.95	217
-222K	17F	2.20	45	7.9	95.0	202	1.10	202
-272K	18F	2.70	48	7.9	90.0	193	1.20	193
-332K	19F	3.30	49	7.9	80.0	185	1.30	185
-392K	20F	3.90	50	7.9	75.0	173	1.50	173
-472K	21F	4.70	50	7.9	70.0	136	2.40	136
-562K	22F	5.60	50	7.9	60.0	124	2.90	124
-682K	23F	6.80	50	7.9	55.0	118	3.20	118
-822K	24F	8.20	50	7.9	53.0	111	3.60	111
-103K	25F	10.0	50	7.9	50.0	106	4.00	106
M83446/26 – SERIES M1331 IRON CORE - FERRITE SLEEVE								
-123K	26F	12.0	36	2.5	35.0	122	3.00	122
-153K	27F	15.0	38	2.5	30.0	115	3.40	115
-183K	28F	18.0	40	2.5	26.0	108	3.80	108
-223K	29F	22.0	40	2.5	24.0	96	4.90	96
-273K	30F	27.0	40	2.5	21.0	88	5.80	88
-333K	31F	33.0	41	2.5	20.0	83	6.50	83
-393K	32F	39.0	42	2.5	19.0	75	7.90	75
-473K	33F	47.0	44	2.5	16.0	69	9.30	69
-563K	34F	56.0	44	2.5	15.0	64	11.0	64
-683K	35F	68.0	45	2.5	13.0	61	12.0	61
-823K	36F	82.0	45	2.5	11.0	59	13.0	59
-104K	37F	100.0	40	2.5	10.5	51	16.8	51
M83446/27 – SERIES M1331 FERRITE CORE - FERRITE SLEEVE								
-124K	01F	120.0	31	0.79	13.0	88	5.80	27
-154K	02F	150.0	33	0.79	12.0	75	7.90	24
-184K	03F	180.0	33	0.79	11.0	69	9.40	22
-224K	04F	220.0	35	0.79	10.0	64	11.0	20
-274K	05F	270.0	35	0.79	9.0	61	12.0	18
-334K	06F	330.0	35	0.79	8.0	53	16.0	16
-394K	07F	390.0	35	0.79	7.8	46	21.0	14
-474K	08F	470.0	35	0.79	7.5	43	24.0	13
-564K	09F	560.0	35	0.79	7.0	40	28.0	12

Parts listed above are QPL/MIL qualified

*Complete part # must include series # PLUS the dash #
For surface finish information, refer to www.delevanfinishes.com

Packaging Tape & reel (16mm): 7" reel, 500 pieces max.; 13" reel, 2200 pieces max.

Made In the U.S.A.