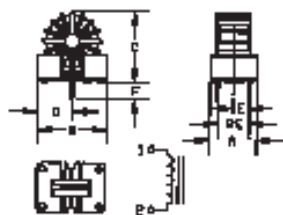


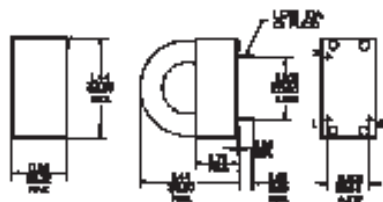


Case Style B-E

Case Style	Dimension					
	A	B	C	D	E	F
B	11.4	16.46	16.5	8.25	3.8	2.8
C	11.4	21.03	21.6	10.5	3.8	2.8
D	15.25	24.1	24.1	12.1	5.7	2.8
E	17.8	31.7	31.8	15.9	6.4	2.8



Case Style F



- Fixed inductors specifically designed to be used in National Semiconductor, Simple Switcher[®] voltage regulator applications
- Pulse part numbers are listed in the National Semiconductor datasheet
- Base materials meet the flammability requirements of **UL94V-0**.

Typical Inductance (μH)	DC Current (A)	Pin Diameter	Case Style	Inductor Code	Pulse Part No.	Order Code
47	3.0	0.64	B	L47	53112	552-264
68	3.0	1.02	D	L68	92114K	552-276
100	3.0	0.81	D	L100	92108K	552-288
150	2.0	0.64	D	L150	53113	552-290
220	1.4	0.64 SQ	A	L220	52626	552-306
220	1.4	0.51	C	L220	53145	552-318
330	0.9	0.64 SQ	A	L330	52627	552-320
330	0.9	0.64	C	L330	53146	552-331
470	0.64	0.64	D	L470	53114	552-343
680	0.42	0.64 SQ	A	L680	52629	552-355
150	3.0	0.64	D	H150	53115	552-367
220	3.0	0.81	E	H220	53116	552-379
330	3.0	0.64	E	H330	53117	552-380
470	2.0	0.64	E	H470	53118	552-392
680	1.3	0.64	E	H680	53119	552-409
1000	0.95	0.64	E	H1000	53120	552-410
1500	0.62	0.81	F	H1500	53121	552-422
2200	0.42	0.81	F	H2200	53122	552-434

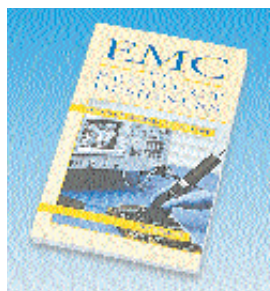
FOR SIMPLE SWITCHER ICs SEE **BOOK 2, SECTION 8**

FIL177

Typical Inductance μH	Order Code	1+	10+	50+	100+
47	552-264				
68	552-276				
100	552-288				
150	552-290				
220	552-306				
220	552-318				
330	552-320				
330	552-331				
470	552-343				
680	552-355				
150	552-367				
220	552-379				
330	552-380				
470	552-392				
680	552-409				
1000	552-410				
1500	552-422				
2200	552-434				

Technical Books

EMC for Product Designers



- All electrical or electronic equipment made or sold anywhere within the EU will need to be constructed in such a way that they comply with the EU Directive on EMC
- This book discusses the subject of EMC, its implications and explains to the design engineer how to meet the Directive.
- For additional books on the subject of EMC and electrical interference see **Book 6, Section 20**.

FIL100

Order Code	Price Each
291-274	82.50

EMC Shielding Products

- The following products can be used to help electrical and electronic apparatus in meeting the requirements of the EMC (electromagnetic compatibility) directive
- The directive covers all apparatus liable to cause electromagnetic disturbance, or the performance of which is liable to be affected by such disturbance.

FIL67

Bead Inductors



108-267	108-268	108-269	581-124
Body L = 5.0, Body dia. = 3.6, Lead L = 20, Lead dia. = 0.65	H = 7.5, W = 7.1, D = 3.5, Lead pitch = 5.0, Lead dia. = 0.65	H = 7.5, W = 9 D = 3.4 Lead pitch = 5.0, Lead dia. = 0.65	H = 6.5, W = 8.3, D = 2.3, Lead pitch = 5.0, Lead dia. = 0.6

- Ferrite bead inductors available in axial or radial styles, the radial version being available with single or double bead to provide even more effective suppression.
- Typical applications include high frequency suppression in low impedance circuits, e.g. power supplies, high speed amplifier circuits, high speed digital circuits, clocks.

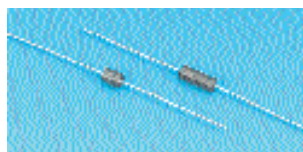
Effective frequency range (Z = 50Ω min.)	Current rating
108-267, 108-268	20MHz to 1000MHz 7A
108-269	4MHz to 1000MHz 7A
581-124	12MHz to 1000MHz 6A

Mfrs. List No. BL01RN1-A62 = 108-267, BL02RN1-R62 = 108-268, BL02RN2-R62 = 108-269, BL03RN2-R62 = 581-124

FIL60

Order Multiple=10	Order Code	Price Each			
		10+	50+	100+	1000+ 3000+
Axial	.108-267				
Radial (single)	108-268				
Radial (double)	.108-269				
Radial (double)	581-124				

Ferrite Bead Inductors



- Axial ferrite bead inductors
- Applications include suppression in digital equipment and clock circuits



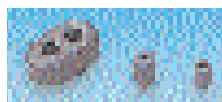
Supplied bandioliered on reels of 5000 suitable for automatic insertion

Min. Impedance (Ω) @ 10MHz	Bead Dimensions L	Di.	Current rating	Order Code
25	6	3.5	3A	323-4861
30	7.5	3.5	3A	323-4873
40	105	9	3A	323-4885

FIL306

Order Multiple=10	Order Code	Price Each			
Bead Length (mm)		10+	25+	100+ 250+ 500+	
6	323-4861				
7.5	323-4873				
9	323-4885				

Ferroxcube Cores, Tubes and Beads



- Small ferrite tubes and beads for placing on insulated cables or formed wire leads to obtain a desired value of inductance.

FIL61

Order Multiple=10	Material	Dimensions	Order Code	Price Each			
Cores				10+	100+	1K+	3K+
Double Aperture Cores (2 1.8mm)							
4A11		10.8 10.9 5.4	273-144				
Double Aperture Cores (3mm Round)							
3C85		13 6 8	242-512				
4B1		13 6 8	242-494				

Tubes	Material	Dimensions Ext. Dia L	Order Code	10+	300+	3K+	10K+
Single Hole							
2.0mm dia.	3B1	4.15 5.0	273-156				
1.5mm dia.	B2	4.05 5.5	242-482				
Beads							
Single Hole							
2.0mm dia.	3S1	5 4	242-524				
1.0mm dia.	4S2	3 4	242-500				
Six Hole							
0.6mm dia.	B2	6.3 10.5	219-850				