

EMC Shielding Products — continued

Discrete EMI Absorber — 'Cho Drop'®



L = 13.97, D = 4.7,
Lead length = 27.94,
Lead dia. = 0.64
Supplied bandoliered on tape.

- Discrete EMI absorbers are designed to reduce radiation from digital signal lines without significantly adding to propagation delay
- They will normally suppress radiation from a given lead by 10dB to 15dB and have a propagation delay of less than 10ns, while their flat absorption characteristics eliminate the 'ringing' found with ferrite beads. Leads are tinned copper wire.

Current capacity 500mA Mfrs. List No. 80-10-9714-1000 FIL68

Order Multiple=5	Price Each				
Order Code	5+	50+	100+	250+	500+
.152-658					

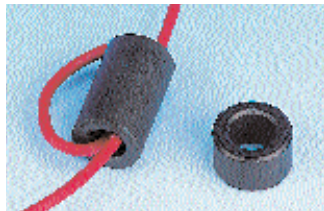
Ferroxcube Magnetic Materials



- Ferroxcube have developed a new ferrite material for their new range of cable shielding products. 3S4 is a new high resistivity manganese zinc ferrite which offers excellent interference suppression into the high MHz regions. 3S4 is **Nickel Free** to protect the environment.
- Philips cable shielding products are available in 2 materials 4S2 and 3S4

FIL214

Tubular Cable Shields



- Tubular ferrite cable shields
- Available in 2 material grades 4S2 and 3S4
- Provide attenuation of RFI over a wide frequency range
- Cost effective as they reduce the need for more complex shielding measures or costly PCB re-designs

Dimensions	Typ. Impedance (Ω)		Mfrs. List No.	Order Code		
	O/D	I/D			25MHz	100MHz
3S4 Material						
8.0	5.3	10	32	50	CST7.8/5.3/9.8-3S4	898-340
8.3	3.5	10	70	96	CST8.3/3.5/10-3S4	898-351
9.5	5.1	14	66	110	CST9.5/5.1/15-3S4	898-363
17.2	11	60	200	320	CST17/11/60-3S4	898-375
17.45	9.53	12.7	55	88	CST17/9.5/13-3S4	898-387
17.45	9.53	28.55	125	200	CST17/9.5/29-3S4	898-399
19	10.6	11.5	50	75	CST19/11/12-3S4	898-405
4S2 Material						
9.5	4.75	6.3	23	50	CST9.5/4.8/6.4-4S2	898-417
9.5	4.75	10.4	53	80	CST9.5/4.8/10-4S2	898-429
9.5	4.75	19.05	100	145	CST9.5/4.8/19-4S2	898-430
9.65	5.0	5.05	26	43	CST9.7/5/5.1-4S2	898-442
14.3	6.35	28.6	170	250	CST14/6.4/29-4S2	898-454
14.3	7.25	28.6	143	215	CST14/7.36/29-4S2	898-466
16.25	7.9	14.3	70	113	CST16/7.9/14-4S2	898-478
16.25	7.9	28.6	130	213	CST16/7.9/29-4S2	898-480
17.45	9.5	12.7	55	88	CST17/9.5/13-4S2	898-491
17.45	9.5	28.6	125	200	CST17/9.5/29-4S2	898-508
19	10.15	28.6	128	196	CST19/10/29-4S2	898-510
25.9	12.8	28.6	145	225	CST26/13/29-4S2	898-521
29	19	7.5	28	47	CST29/19/7.5-4S2	898-533

FIL213

Order Multiple=5	Price Each						
ID	H	Order Code	5+	50+	100+	250+	500+
3S4 Material							
5.3	10	898-340					
3.5	10	898-351					
5.1	14	898-363					
11	60	898-375					
9.53	12.7	898-387					
9.53	28.55	898-399					
10.6	11.5	898-405					
4S2 Material							
4.75	6.3	898-417					
4.75	10.44	898-429					
4.75	19.05	898-430					
5.0	5.05	898-442					
6.35	28.6	898-454					
7.25	28.6	898-466					
7.9	14.3	898-478					
7.9	28.6	898-480					
9.5	12.7	898-491					
9.5	28.6	898-508					
10.15	28.6	898-510					
12.8	28.6	898-521					
19	7.5	898-533					

EMI Cores



- Toroidal ferrite cores which attenuate electrical noise in signal and data cables
- Applications include digital audio systems, computers and peripherals and any sensitive electronic equipment



Dimensions	OD	ID	H	Typical Impedance (Ω)		Order Code
				25MHz	100MHz	
16	10	10	14	40	125	323-4927
20	10	10	10	45	120	323-4939
25	15	12	12	40	120	323-4940
28	16	13	13	50	120	323-4952
28	16	20	70	70	130	323-4964
31.5	19	16	16	55	115	323-4976

FIL307

Order Multiple=5	Price Each				
Order Code	5+	25+	100+	250+	500+
323-4927					
323-4939					
323-4940					
323-4952					
323-4964					
323-4976					

EMI Sleeves



- Ferrite sleeves which will provide attenuation of EMI on power and data cables, without affecting data transmitted through the cable
- Suitable for use on computers, peripherals, digital audio systems etc.



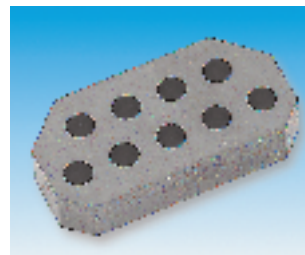
Note: To enable the cable to pass smoothly through the sleeve an allowance should be made for tolerances in the OD of the cable and the ID of the sleeve.

Dimensions	OD	ID	H	Min. Impedance (Ω)		Order Code
				25MHz	100MHz	
14.2	6.35	28.5	130	185	559-519	
14.2	7.0	28.5	130	210	559-520	
16	9.0	17	60	140	559-532	
14.2	8.0	28.5	110	210	559-544	
17.5	9.5	28.5	90	150	559-556	
17.5	10.7	28.5	90	160	559-568	
26	13	28.5	130	200	559-570	

FIL25

Order Multiple=5	Price Each						
ID	H	Order Code	5+	25+	100+	250+	500+
6.35	28.5	559-519					
7.0	28.5	559-520					
9.0	17	559-532					
8.0	28.5	559-544					
9.5	28.5	559-556					
10.7	28.5	559-568					
13	28.5	559-570					

'D' Connector Ferrite Plate



- Ferrite plate for use with 'D' subminiature connectors
- EMI suppression is achieved by inserting onto the pins of the connector
- Suitable for Serial PC Mouse, RS232C interface, etc



thickness = 2.8, hole pitch = 2.77

FIL318

Order Multiple = 5	Price Each						
No of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	500+
9	FH9-14.5 x 7.6 x 2.8	353-8291					
15	FH15-22.65 x 7.6 x 2.8	353-8308					
25	FH25-36.4 x 7.6 x 2.8	353-8310					