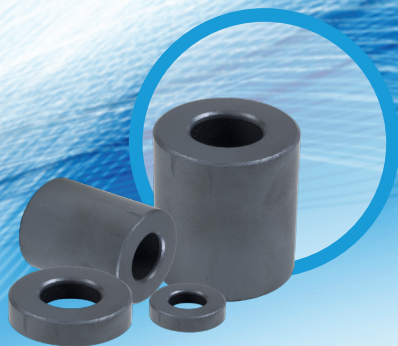




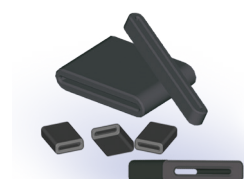
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Ferrite EMI Cable Cores



FERRITE EMI CABLE CORES

BROADBAND FERRITE EMI CORES FOR RIBBON & FLEX CABLE



PART NUMBERING SYSTEM EXAMPLE

28	R	0315	-2	0	0
Material Type	Product Code	Part Size Code	Selected Dimension Code (Usually Length)	Additional Part Description	Additional Part Description or Coating Code

PART NUMBER	Fig # on page 19	DIMENSIONS mm (inches)					Typical Impedance (Z) in Ohms (Ω)		
		A	B	C*	D	E	@ 25 MHz	@ 100 MHz	@ 300 MHz
28R1457-400	3	37.01 (1.457)	33.00 (1.299)	13.46 (0.530)	4.50 (0.177)	0.51 (0.020)	44	140	310
28R1476-100	3	37.50 (1.476)	34.50 (1.358)	13.00 (0.512)	4.00 (0.157)	1.00 (0.039)	38	110	251
28R1496-000	2	38.00 (1.496)	30.00 (1.181)	25.00 (0.984)	9.25 (0.364)	1.25 (0.049)	91	239	479
28R1517-000	2	38.10 (1.500)	26.67 (1.050)	25.40 (1.000)	12.07 (0.475)	1.91 (0.075)	110	230	520
28R1518-000	1	38.50 (1.516)	26.80 (1.055)	25.40 (1.000)	12.09 (0.476)	1.91 (0.075)	105	235	478
28R1775-000	2	45.08 (1.775)	34.42 (1.355)	28.58 (1.125)	12.45 (0.490)	1.52 (0.060)	115	260	530
28R1779-000	2	63.50 (2.500)	52.07 (2.050)	28.58 (1.125)	12.70 (0.500)	1.68 (0.066)	114	298	588
28R1779-100	2	63.50 (2.500)	52.07 (2.050)	12.98 (0.511)	12.70 (0.500)	1.68 (0.066)	65	170	375
28R1862-000	2	47.70 (1.878)	39.00 (1.535)	31.00 (1.220)	15.00 (0.590)	3.00 (0.118)	116	261	561
28R1953-000	3	49.61 (1.953)	44.00 (1.732)	12.00 (0.472)	7.62 (0.300)	1.45 (0.057)	45	127	300
28R2000-200	2	50.80 (2.000)	40.60 (1.600)	28.00 (1.102)	12.20 (0.480)	2.00 (0.079)	103	252	545
28R2170-000	2	55.12 (2.170)	43.69 (1.720)	25.40 (1.000)	12.70 (0.500)	1.27 (0.050)	110	280	550
28R2170-100	2	55.12 (2.170)	43.69 (1.720)	12.70 (0.500)	12.70 (0.500)	1.27 (0.050)	62	170	370
28R3149-000	2	79.98 (3.149)	68.58 (2.700)	12.70 (0.500)	11.99 (0.472)	1.91 (0.075)	51	135	318

*Broadband (28) ribbon and flex cable cores are sorted by slot width on pages 22 & 23 and sorted by impedance on pages 24 & 25.

Ferrite core shape and size affect frequency response and impedance.

Please visit lairdtech.com for the most up to date information. All dimensions & impedance values can be sorted and compared on lairdtech.com. Custom parts are available.

FIGURE 1

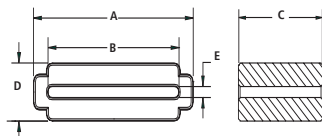


FIGURE 2

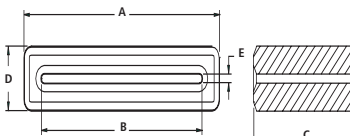
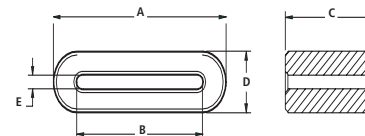


FIGURE 3



QUICK REFERENCE CHART SORTED BY SLOT WIDTH (B)

BROADBAND 28 MATERIAL PARTS ONLY ONE-PIECE (28R) & SPLIT (28S) CORES FOR RIBBON & FLEX CABLES

PART NUMBER Sorted by Slot Width	DIMENSIONS in mm				
	A	B	C	D**	E**
28R1496-000	38.00	30.00	25.00	9.25	1.25
28R1418-000	36.00	33.00	10.00	4.00	1.00
28R1457-400	37.01	33.00	13.46	4.50	0.51
28R1775-000	45.08	34.42	28.58	12.45	1.52
28S2022-0*0**	45.09	34.42	28.58	6.35	0.84
28R1476-100	37.50	34.50	13.00	4.00	1.00
28R1862-000	47.70	39.00	31.00	15.00	3.00
28R2000-200	50.80	40.60	28.00	12.20	2.00
28R2170-100	55.12	43.69	12.70	12.70	1.27
28R2170-000	55.12	43.69	25.40	12.70	1.27
28R1953-000	49.61	44.00	12.00	7.62	1.45
28R1779-100	63.50	52.07	12.98	12.70	1.68
28R1779-000	63.50	52.07	28.58	12.70	1.68
28S2001-0*0**	63.50	52.07	28.58	6.35	0.84
28S2001-2A2**	63.50	52.07	24.38	6.35	0.84
28S2011-0*0**	76.20	65.28	28.58	6.35	0.84
28R3149-000	79.98	68.58	12.70	11.99	1.91
28S2012-0M0**	88.90	78.23	28.58	6.48	0.84

** The "D" & "E" dimensions for 28S split, two-piece cores must be doubled for total assembled dimensions.

Custom parts are also available
Refer to pages 16 - 20 for more data.

QUICK REFERENCE CHART

SORTED BY IMPEDANCE @ 100 MHZ

BROADBAND 28 MATERIAL PARTS ONLY

ONE-PIECE (28R) & SPLIT (28S) CORES FOR RIBBON & FLEX CABLES

PART NUMBER Sorted by Impedance	Typical Impedance (Z) in Ohms (Ω)		
	@ 25 MHz	@ 100 MHz	@ 300 MHz
28R0610-000	29	80	216
28R0386-000	36	96	224
28R1025-000	34	97	242
28R0614-100	36	98	245
28R0315-200	48	102	250
28R1418-000	34	104	245
28R0453-200	43	104	260
28R0756-000	40	107	258
28R1127-500	40	110	265
28R1476-100	38	110	251
28R0669-000	41	110	270
28R0945-000	43	112	269
28R1319-000	43	117	269
28R0983-000	43	123	276
28R0614-300	45	125	280
28R1953-000	45	127	300
28R1024-000	48	128	299
28R1227-100	52	128	300
28R1450-100	48	130	290
28R1261-200	50	135	310
28R3149-000	51	135	318
28R1340-100	50	139	315

PART NUMBER Sorted by Impedance	Typical Impedance (Z) in Ohms (Ω)		
	@ 25 MHz	@ 100 MHz	@ 300 MHz
28R1101-000	55	140	300
28R0756-200	57	140	308
28R1457-400	44	140	310
28R1128-200	52	145	312
28R0480-100	68	150	290
28R0492-100	68	150	290
28S0670-000	60	150	310
28R1127-400	60	150	330
28R1102-000	61	154	340
28R0453-300	72	160	330
28R1236-000	78	162	370
28R0394-000	92	169	294
28R2170-100	62	170	370
28R0984-200	70	170	370
28R1779-100	65	170	375
28R0880-000	93	187	356
28R0480-000	100	190	320
28R0825-000	96	190	363
28R1127-200	85	191	410
28R1102-100	75	192	380
28R1128-100	79	204	399
28R0900-100	38	116	266

All chart data can be sorted on lairdtech.com
Refer to pages 16 - 20 for more data.