

COMMUNICATIONS DATA SHEET NO. 205

COILS

S.B. Gecalley Coils

Nom. Ind. H	Coil No.			Appr. Res. chms.	Inv. Cap. µf	Nom. Ind. H	Coil No.			Appr. Res. chms	Inv. Cap. µf
	S E R	P A R	$\frac{1}{2}$				S E R	P A R	$\frac{1}{2}$		
.768	4	-	-	700	2.133	.0202	19	17	-	22.	.0561
.646	5	-	-	620	1.795	.0170	20	-	-	19.8	.0472
.544	6	-	-	590	1.512	.01425	21	-	-	13.2	.0396
.456	7	-	-	500	1.266	.01200	22	-	-	11.4	.0333
.384	8	-	-	334	1.066	.01010	23	-	-	10.2	.0280
.323	9	-	-	300	.897	.00850	24	-	-	9.0	.0236
.272	10	-	-	270	.756	.00713	25	-	-	7.0	.0198
∅ .255	-	-	4	350	.709	∅ .00672	-	-	19	10.5	.0187
.2280	11	-	-	248	.633	.00600	26	-	-	6.2	.0167
∅ .2150	-	-	5	310	.597	∅ .00565	-	-	20	10.0	.0157
.1920	12	4	-	216	.533	.00505	27	19	-	5.2	.0140
∅ .1810	-	-	6	295	.5030	∅ .00477	-	-	21	6.6	.01325
.1616	13	5	-	196	.449	.00425	28	20	-	5.0	.01180
∅ .1515	-	-	7	250	.421	∅ .00399	-	-	22	5.7	.01111
.1360	14	6	-	147	.378	.00356	29	21	-	3.3	.00989
∅ .1280	-	-	8	167	.3555	∅ .00336	-	-	23	5.1	.00933
.1140	15	7	-	120	.317	.00300	30	22	-	2.9	.00833
∅ .1075	-	-	9	150	.299	∅ .00283	-	-	24	4.5	.00786
.0960	16	8	-	103	.267	.00253	-	23	-	2.6	.00703
∅ .0905	-	-	10	135	.2514	∅ .00237	-	-	25	3.5	.00658
.0808	17	9	-	94	.224	.00213	-	24	-	2.3	.00592
∅ .0758	-	-	11	124	.211	∅ .00200	-	-	26	3.1	.00555
.0680	-	10	-	68	.1890	.00178	-	25	-	1.8	.00494
∅ .0638	-	-	12	108	.1772	∅ .00168	-	-	27	2.8	.00467
.0570	-	11	-	62	.1584	.00150	-	26	-	1.6	.00417
∅ .0538	-	-	13	98	.1495	∅ .00141	-	-	28	2.6	.00392
.0480	-	12	-	54	.1330	.00126	-	27	-	1.4	.00350
∅ .0452	-	-	14	88	.1260	∅ .00118	-	-	29	1.8	.00328
.0404	-	13	-	49	.1120	.00106	-	28	-	1.3	.00294
∅ .0379	-	-	15	60	.1054	∅ .00100	-	-	30	1.6	.00278
.0340	-	14	-	44	.0944	.00089	-	29	-	0.9	.00247
∅ .0319	-	-	16	51	.0886	.00075	-	30	-	0.8	.00208
.0285	-	15	-	30	.0792						
∅ .0269	-	-	17	47	.0747						
.0240	-	16	-	26	.0667						

NOTE: ∅ These values are halfwinding inductances.

Toroidal Coils & Ferroxcube Coils

D. 122/H20A				D. 169/H21A				D. 174/H22A			
Tags	Ind. (H)	RDC		Tags	Ind. (H)	RDC		Tags	Ind. (H)	RDC	
		D.122	H20A			D.169	H21A			D.174	H22A
1-2	.272	12.8	12.2	1-2	0.91	53.3	58.9	1-2	3.07	142.0	181
1-3	.323	15.0	14.3	1-3	1.09	59.3	65.5	1-3	3.65	155.0	198
1-4	.384	17.5	16.7	1-4	1.29	65.5	72.3	1-4	4.35	170.0	217
1-5	.456	20.0	19.0	1-5	1.54	72.9	80.5	1-5	5.17	184.4	235
1-6	.544	22.2	21.2	1-6	1.82	80.7	89.0	1-6	6.14	201.0	257
1-7	.646	26.0	24.8	1-7	2.18	89.9	99.3				
1-8	.768	29.4	28.0	1-8	2.58	99.5	11.0				

Vinkor Coils

NOMINAL INDUCTANCE MILLI HENRIES	COIL NO.	PIN NO. START 1 END	APPROX. RESISTANCE OHMS	NOMINAL Q 5 kHz	INVERSE CAPACITANCE μ F
1.0 1.1 1.2 1.3	25A/167	3 4 6 8	0.14 0.15 0.16 0.17	86 88 90 94	0.00278 0.00305 0.00333 0.00362
1.5 1.6 1.8 2.0	25A/168	3 4 6 8	0.18 0.19 0.21 0.22	100 102 109 112	0.00417 0.00445 0.005 0.00556
2.2 2.4 2.7 3.0	25A/169	3 4 6 8	0.22 0.24 0.28 0.28	115 120 125 125	0.00611 0.00668 0.00751 0.00833

NOMINAL INDUCTANCE MILLI HENRIES	COIL NO.	PIN NO. START 1 END	APPROX. RESISTANCE OHMS	NOMINAL Q 5 kHz	INVERSE CAPACITANCE μ F
3.3 3.6 3.9 4.3	25A/170	3 4 6 8	0.4 0.41 0.43 0.48	120 125 130 130	0.00915 0.0100 0.0108 0.0122
4.7 5.1 5.6 6.2	25A/171	3 4 6 8	0.48 0.51 0.56 0.6	135 140 145 150	0.0131 0.0142 0.0156 0.0172
6.8 7.5 8.2 9.1	25A/172	3 4 6 8	0.8 0.9 0.9 1.0	139 143 147 150	0.0188 0.0208 0.0228 0.0253
10 11 12 13	25A/173	3 4 6 8	1.1 1.1 1.2 1.2	150 155 160 160	0.0278 0.0305 0.0333 0.0362
15 16 18 20	25A/174	3 4 6 8	1.7 1.8 2.0 2.1	155 160 160 165	0.0417 0.0445 0.05 0.0556
22 24 27 30	25A/175	3 4 6 8	2.2 2.3 2.4 2.6	165 170 175 180	0.0611 0.0668 0.0751 0.0833
33 36 39 43	25A/176	3 4 6 8	2.7 2.9 3.0 3.2	195 200 200 205	0.0915 0.100 0.108 0.122
47 51 56 62	25A/177	3 4 6 8	4.3 4.5 4.8 5.1	180 185 190 190	0.131 0.142 0.156 0.172

NOMINAL INDUCTANCE MILLI HENRIES	COIL NO.	PIN NO. START 1 END	APPROX. RESISTANCE OHMS	NOMINAL Q 5 kHz	INVERSE CAPACITANCE μ F
68 75 82 91	25A/178	3 4 6 8	6.9 7.2 7.6 8.1	175 180 180 180	0.188 0.208 0.228 0.253
100 110 120 130	25A/179	3 4 6 8	8.5 9.2 9.7 10.1	180 190 190 190	0.278 0.305 0.333 0.362
150 160 180 200	25A/180	3 4 6 8	15.2 16.0 17.1 18.2	180 180 180 180	0.417 0.445 0.5 0.556
220 240 270 300	25A/181	3 4 6 8	19.1 20.2 21.7 23.1	190 190 190 200	0.611 0.668 0.751 0.833
330 360 390 430	35A/142	3 6 7 8	16.7 17.6 18.5 19.6	250 250 250 250	0.915 1.0 1.08 1.22
470 510 560 620	35A/143	3 6 7 8	20.6 21.6 22.8 24.2	240 240 240 240	1.31 1.42 1.56 1.72
680 750 820 910	35A/144	3 6 7 8	35.7 37.7 39.7 42.2	205 200 195 190	1.89 2.08 2.28 2.53

NOMINAL INDUCTANCE HENRIES	COIL NO.	PEN NO. START 1 END	APPROX. RESISTANCE OHMS	NOMINAL Q 1 kHz	INVERSE CAPACITANCE μF
1.0 1.1 1.2 1.3	35A/145	3 6 7 8	44.5 47.1 49.6 52	107 112 114 116	2.78 3.05 3.33 3.62
1.5 1.6 1.8 2.0	36A/146	3 6 7 8	82 85 91 97	90 91 93 98	4.17 4.45 5.0 5.56
2.2 2.4 2.7 3.0	35A/147	3 6 7 8	103 110 116 123	101 101 108 111	6.11 6.68 7.51 8.33
3.3 3.6 3.9 4.3	35A/148	3 6 7 8	193 203 212 225	83 83 83 86	9.15 10.0 10.8 12.2
4.7 5.1 5.6 6.2	35A/149	3 6 7 8	239 250 263 280	92 93 95 97	13.1 14.2 15.6 17.2
6.8 7.5 8.2 9.1	35A/150	3 6 7 8	383 405 425 450	80 81 82 84	18.9 20.8 22.8 25.3