

Centralab Printed Circuits—Ceramics

TYPE DD DISC CERAMICS



For bypass-coupling in HF circuits. 1000 VDCW except 1600 v. Size range from 1/4" to 3/4" dia. Tolerance $\pm 20\%$ except $\pm 5\%$ mfd. $\pm 10\%$ and $\pm 3\%$ GMV (guaranteed minimum value) $\pm 20\%$ $\pm 80\%$. All units are UL Approved for AC lines except 1. Average shpg. wt., 2 oz.

No.	Type	Mmf.	No.	Type	Mfd.
LL 406	3R3T	3.3	LL 426	251	.0025
LL 407	050T	5	LL 427	271	.0027
LL 408	6R8T	6.8	LL 428	301	.003
LL 409	100*	10	LL 429	331	.0033
LL 410	150*	15	LL 430	391	.0039
LL 411	200*	20	LL 431	471	.0047
LL 412	250*	25	LL 432	501	.005
LL 413	330*	33	LL 433	561	.0056
LL 414	390*	39	LL 434	681	.0068
LL 415	470*	47	LL 435	751	.0075
LL 416	500*	50	LL 436	801	.008
LL 417	560*	56	LL 437	102	.01
LL 418	680*	68	LL 438	115	.0115
LL 419	750*	75	LL 439	202	.02
LL 420	101*	100	LL 440	302	.03
LL 421	121*	120	LL 441	472	.047
LL 422	151*	150	LL 037	502	.05
LL 423	181*	180	LL 455	103	.01
LL 424	201*	200			
LL 425	221*	220			

EACH 12c

LL 106 1032 .01 mfd LL 042 203 1/2 .02

LL 442 5022 .005 mfd 18c

DD16 1600 VOLTS

No.	Type	Mfd.	EACH
LL 456	302S	.003	
LL 370	402S	.004	
LL 371	502S	.005	
LL 372	602S	.006	
LL 457	702S	.007	21c
LL 373	752S	.0075	
LL 374	802S	.008	
LL 375	103S	.01	
LL 376	153S*	.015	35c

DD60 6000 VOLTS

No.	Type	Mmf.
LL 458	DD60-100	10
LL 459	DD60-120	12
LL 460	DD60-150	15
LL 461	DD60-220	22
LL 462	DD60-250	25
LL 463	DD60-270	27
LL 464	DD60-300	30
LL 465	DD60-330	33
LL 466	DD60-390	39
LL 467	DD60-470	47
LL 468	DD60-500	50
LL 469	DD60-560	56
LL 470	DD60-680	68
LL 471	DD60-750	75
LL 472	DD60-820	82
LL 473	DD60-101	100
LL 474	DD60-121	120
LL 475	DD60-151	150
LL 476	DD60-181	180
LL 477	DD60-201	200
LL 478	DD60-221	220
LL 479	DD60-251	250
LL 480	DD60-271	270
LL 481	DD60-301	300
LL 482	DD60-331	330
LL 483	DD60-391	390
LL 484	DD60-401	400
LL 485	DD60-471	470
LL 486	DD60-501	500
LL 487	DD60-561	560
LL 443	DD60-681	680
LL 444	DD60-751	750
LL 445	DD60-102	1000
LL 446	DD60-122	1200
LL 447	DD60-152	1500
LL 448	DD60-202	2000
LL 449	DD60-222	2200

NET EACH 29c

Save On Industrial Quantities

TYPE DD 500 V DISC CERAMICS

Selected popular values of capacitors listed below. 500 VDCW. Box of 100 is minimum quantity of one value; may be assorted in 500 and 1000 lots—but only in boxes of 100 per value. Tolerance, 10% except $\pm 20\%$. $\pm 3\%$ GMV.

Stock No.	Mmf	Lots of 100	Lots of 500	Lots of 1000
LL 500	5	8.20	6.30	5.70
LL 501	50	8.20	6.30	5.70
LL 502	100	8.20	6.30	5.70
LL 503	250*	8.20	6.30	5.70
LL 504	370*	10.00	7.80	7.00
LL 505	500*	10.00	7.80	7.00
LL 506	1000*	7.75	5.95	5.40
LL 507	1500*	7.75	5.95	5.40
LL 508	5000*	7.75	5.95	5.40
LL 509	10000*	7.75	5.95	5.40

PRINTED ELECTRONIC CIRCUITS (P.E.C.)

Each PEC contains a complete piece of electronic circuitry—resistors, capacitors, conductors—bound to a ceramic base and sealed against moisture, temperature change and shock. Results in exceptional stability, small size and uniform performance. For use in radio and TV. Speeds service and eliminates need to find exact component failure; simply replace entire circuit with PEC unit. Average shpg. wt., 2 oz.

37 L 071. NEW PRINTED CIRCUIT GUIDE NO. 3. Contains complete data on all Centralab PEC units. Includes PEC replacement guide for radio and TV sets listed by 119 manufacturers. NO CHARGE when requested with your next order.

PRINTED CIRCUIT UNITS

No.	Type	Description	EACH	No.	Type	Description	EA.
LL 147	PC-50	Filpec	35c	LL 178	PC-150	Audet Output Stage	59c
LL 148	PC-51	Filpec	35c	LL 179	PC-151	Audet Output Stage	68c
LL 149	PC-52	Filpec	35c	LL 180	PC-152	Audet Output Stage	59c
LL 353	PC-60	Resistor-Capacitor	29c	LL 360	PC-157	Audet Output Stage	59c
LL 354	PC-61	Resistor-Capacitor	29c	LL 361	PC-158	Audet Output Stage	68c
LL 150	PC-70	Triode Couplate	41c	LL 362	PC-159	Audet Output Stage	68c
LL 151	PC-71	Triode Couplate	41c	LL 172	PC-160	Pendet	73c
LL 152	PC-80	Triode Couplate	44c	LL 173	PC-165	Pendet	79c
LL 153	PC-81	Triode Couplate	44c	LL 363	PC-175	Special	59c
LL 355	PC-82	Special	44c	LL 173	PC-176	Special	44c
LL 165	PC-84	Triode Couplate	44c	LL 450	PC-177	Special	59c
LL 154	PC-90	Pentode Couplate	53c	LL 451	PC-178	Special	53c
LL 155	PC-91	Pentode Couplate	53c	LL 364	PC-179	Special	44c
LL 166	PC-92	Pentode Couplate	53c	LL 365	PC-184	Special	44c
LL 156	PC-100	Vertical Integrator	65c	LL 366	PC-185	Special	44c
LL 157	PC-101	Vertical Integrator	73c	LL 367	PC-186	Special	44c
LL 356	PC-104	Vertical Integrator	65c	LL 368	PC-260	Sync Takeoff Couplate	73c
LL 357	PC-105	Vertical Integrator	65c	LL 369	PC-262	Sync Takeoff Couplate	73c
LL 358	PC-106	Vertical Integrator	59c	LL 380	PC-263	Sync Takeoff Couplate	73c
LL 168	PC-110	Filplate	44c				



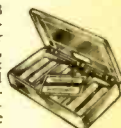
AMPEC AUDIO AMPLIFIER

3-stage audio amplifier no bigger than a book of paper matches. Operates on 2 1/2 "A" battery. Response 300-5000 cps. Gain of 4500 at 1 kc. Type PC-201 complete with tubes: One CK548AX; two CK512-AX. Wt., 8 oz. Type PC-200 same but less tubes. Wt., 4 oz. Type B16-228 volume control and switch for use with either Ampec unit. 1/2" dia. 1/4" deep with knob. Complete with detailed instructions.

LL 160. Type PC-201. NET 14.70
LL 159. Type PC-200. NET 8.82
30 M 419. Type B16-228. NET 2.35

PRINTED CIRCUIT KITS

Model PCK-18. Contains 18 printed electronic circuits selected from the 9 most popular types. Packed in handy, hinged plastic box 8 1/4 x 4 1/4 x 1 1/4". Replace 42 resistors and 52 capacitors. Each unit contains complete, ready-to-function section of an electronic circuit. Ideal for servicemen, experimenters and engineering laboratories. Shpg. wt., 12 oz.



58 L 460. List, \$15.00. NET 8.82

Model PCK-45. As above but contains 45 PEC units, 21 types. Shpg. wt., 1 1/4 lbs.
58 L 461. List, \$40.00. NET 23.52



TYPE MD MOLDED DISC CERAMIC HI-KAPS

Low-inductance molded discs for bypass, coupling and general applications in high-frequency circuits (such as in TV and FM). Priced like tubulars but much smaller. Completely insulated with "Centratene". Electrical properties constant at 3000 mc. Insulation resistance, 300,000 megohms. Breakdown voltage to ground, 2500 volts DC. Can be placed against chassis or next to high-voltage leads without danger of flashover or breakdown. Capacity and voltage ratings permanently labeled on each unit. Fungus resistant. Will not become brittle at -55°C . Unaffected by ozone, salt water or any known solvent at room temperature. 100% flash tested at double rated voltage. For operation to 85°C . Values to .004 mfd. rated 1000 WVDC; others rated 600 WVDC. No. 22 tinned copper leads. 1 1/4" long. Tolerance, 10% except $\pm 20\%$. $\pm 3\%$ GMV (guaranteed min. value). Size, 1/4" dia. x 3/8". Shpg. wt., 2 oz.

No.	Type	Mfd.	No.	Type	Mfd.
LL 300	050	.00005	LL 327	391	.0039
LL 301	100	.0001	LL 328	401	.004
LL 302	120	.00012	LL 329	471	.0047
LL 303	150	.00015	LL 330	501	.005
LL 304	180	.00018	LL 331	561	.0056
LL 305	200	.0002	LL 332	601	.006
LL 306	220	.00022	LL 333	681	.0068
LL 307	250	.00025	LL 334	751	.0075
LL 308	270	.00027	LL 335	821	.0082
LL 309	330	.00033	LL 336	102	.01
LL 310	390	.00039	LL 337	122	.012
LL 311	470	.00047	LL 338	152	.015
LL 312	500	.0005	LL 339	182	.018
LL 313	560	.00056	LL 340	202	.02
LL 314	680	.00068	LL 341	222	.022
LL 315	750	.00075	LL 342	252	.025
LL 316	820	.00082	LL 343	272	.027
LL 317	101	.001	LL 344	302	.03
LL 318	121	.0012	LL 345	332	.033
LL 319	151	.0015	LL 346	402	.04
LL 320	181	.0018	LL 347	472	.047
LL 321	201	.002	LL 348	502	.05
LL 322	221	.0022	LL 349	562	.056
LL 323	251	.0025	LL 350	682	.068
LL 324	271	.0027	LL 351	752	.075
LL 325	301	.003	LL 352	103	.01
LL 326	331	.0033			

NET EACH 15c

HI-VO-KAPS FOR TV

500 mmf hi-voltage ceramics for filter, coupling and HV bypass service. Rated 12,500 wkg. v. DC. 1 x 1/2". *20,000 wkg. v. DC. 1 x 1/2". †30,000 wkg. v. DC. 1 1/4 x 1/4". Shpg. wt., 3 oz.



No.	Type	Terminals	EA.
LL 073	TV1-501	Rod	
LL 074	TV2-501	Slot-tap	59c
LL 075	TV3-501	Tap-thread	
LL 076	*TV1-502	Rod	.88
LL 024	*TV3-502	Tap-thread	.88
LL 040	*TV2-502	Slot-tap	.88
LL 041	†TV1-503	Rod	1.76
LL 019	*TV4-502	Dual male thr.	.88
LL 018	*TV5-502	Dual female tap	.88
LL 452	*TV7-502	Male, 5/16-32	.88
LL 453	†TV8-503	Male, 7/32-28	1.76

Electronic RETMA Color Code Calculator. Up-to-date; for resistors, capacitors, etc. 37 K 114. Shpg. wt., 8 oz. 25c

TV 207 HI-KAP KIT

Contains 1 TV-207 Hi-Vo Kap and complete set of attachable terminals. For TV replacement. Capacitor rated 500 mmf at 20,000 W. DC. Terminal set has 1 each—slotted rod, short male and long male; 2 each—female thread and male thread. Terminals set without air gap—capacitor will not strip. Shpg. wt., 5 oz. 1.09

8505 HIGH-VOLTAGE CERAMICS

High quality capacitor for RF power circuits. Has negative temperature coefficient of 750 parts/million/°C, except zero temperature coefficient. Contains silver electrodes fired to ceramic. Low power factor. $\pm 10\%$ tolerance. 6-32 mounting screw. 3/8 x 1/8" dia. (†Type 8585, same size and style). Wt., 2 oz.



No.	Mmf	Wkg. Volts DC	EACH
LL 100	25*	7500	
LL 101	50*	7500	
LL 102	50*	7500	
LL 103	75	7500	1.76
LL 104	100	5000	
LL 107	500	5000	
LL 108†	1000	5000	