

M A T E R I A L - L I S T

PEAK CLIPPING AMPLIFIER MODEL PCA-2

SECTION I: Electrical Components and Mechanical Parts

SECTION II: Hardware

SECTION III: Supporting Drawings

SECTION IV: Loose Items

CHECKED: J. B. H.APPROVED: hvc

TYPED: January 15, 1962. /hh

PEAK CLIPPING AMPLIFIER PCA-2

BILL OF MATERIAL		MODEL PCA-2		PROJ. NO.				LIST NO. ML-10075	
		ISSUE	A	B				SHEET 1 OF 5 SHEETS	
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION				REMARKS			
		SECTION I: <u>Electrical Components and Mechanical Parts</u>							
AT-10002	1	ATTENUATOR: Daven type CP-632-T				R128			
BI-101-44	1	LAMP: pilot				I101			
CC-10002-1	5	CAPACITOR: ceramic disc., 0.01, 10%				C101, C103, C104, C114, C115			
CE2E200R	1	CAPACITOR: electrolytic, 20+20 uf, 450 V.W. octal plug-in				C113A, C113B			
CM20A102K	1	CAPACITOR: silvered mica, 1000 uuf, 500 VDCW				C110			
CN-10005-2	1	CAPACITOR: 0.27 uf, + 10%, 400 VDCW, Rogers C296AC/A270K.				C112			
CN-10005-3	6	CAPACITOR: 0.47 uf, + 10%, 400 VDCW, Rogers C296AC/A470K.				C102, C105, C106A, C106B, C107, C108,			
FH-100-2	1	FUSEHOLDER							
FU-102-.5	1	FUSE: slo-blo, .5 amp., Little fuse # 313.500				F101			
FX-10007	1	FILTER: Bayly, BEL 2432 pre-emphasis net- work.				FX103			
FX-10008	1	FILTER: New England # 4476, low-pass				FX101			
FX-10009	1	FILTER: UTC # HML 200, high-pass				FX102			
JJ-100-A	1	JACK: Hubbel twistlock				J101			
MR-101-1	1	METER: volume level				M101			
MS-10266	1	LATCH ASSEMBLY							
MS-10270	2	BRACKET: potentiometer							
↑ APPLICABLE SPECIFICATIONS, LAST PAGE ↓				CHECKED				APPROVED <i>File</i>	

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BILL OF MATERIAL		MODEL	PCA-2				PROJ. NO.	LIST NO.	ML-10075	
		ISSUE	A	B				SHEET 2 OF 5 SHEETS		
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION					REMARKS			
MS-10272	1	FRONT PANEL								
MS-10278	2	HINGES								
MS-10355	1	CHASSIS								
MS-10356	1	BRACKET: switch								
NP-10047	1	ESCUTCHEON: plate								
NP-10048-1	1	ESCUTCHEON: plate								
NP-10048-2	1	ESCUTCHEON: plate								
NP-10049-2	1	NAMEPLATE:								
NP-10050	1	ESCUTCHEON: plate								
NT-101-4	4	NUT STRAP: 7 pin								
NT-101-5	3	NUT STRAP: 9 pin								
RC20GF105J	1	RESISTOR: 1 Meg, 1/2 w., ± 5%, carbon					R113			
RC20GF123J	2	RESISTOR: 12K, 1/2 w., ± 5%, carbon					R115, R124			
RC20GF154J	2	RESISTOR: 150K, 1/2w., ± 5%, carbon					R104, R116			
RC20GF185J	1	RESISTOR: 1.8 Meg, 1/2 w., ± 5%, carbon					R127			
RC20GF223J	2	RESISTOR: 22K, 1/2w., ± 5%, carbon					R110, R121			
RC20GF224J	2	RESISTOR: 220K, 1/2w., ± 5%, carbon					R117, R131			
RC20GF274J	1	RESISTOR: 270K, 1/2w., ± 5%, carbon					R106			
RC20GF275J	1	RESISTOR: 2.7 Meg, 1/2w., ± 5%, carbon					R114			
RC20GF392J	1	RESISTOR: 3.9K, 1/2w., ± 5%, carbon					R122			
RC20GF393J	1	RESISTOR: 39K, 1/2w., ± 5%, carbon					R107			
RC20GF473J	1	RESISTOR: 47K, 1/2w., ± 5%, carbon					R118			
RC20GF684J	1	RESISTOR: 680K, 1/2w., ± 5%, carbon					R105			
RC20GF683J	1	RESISTOR: 68K, 1/2w., ± 5%, carbon					R103			
RC20GF563J	2	RESISTOR: 56K, 1/2w., ± 5%, carbon					R108, R112			
RC20GF822J	1	RESISTOR: 8.2K, 1/2w., ± 5%, carbon					R102			
RC20GF823J	1	RESISTOR: 82K, 1/2w., ± 5%, carbon					R129			
RC20GF825J	2	RESISTOR: 8.2 Meg., 1/2 w., ± 5%, carbon					R101, R132			
RC20GF681J	1	RESISTOR: 680 ohms, ± 5%, 1/2 w., carbon					R119			
RC30GF102J	1	RESISTOR: 1000 ohm, 1 w., ± 5%					R109			
RC30GF103J	1	RESISTOR: 10K, 1w., ± 5%, carbon					R120			
RC42GF473J	1	RESISTOR: 47K, 2w., ± 5%, carbon					R123			

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PEAK CLIPPING AMPLIFIER MODEL PCA-2

BILL OF MATERIAL		MODEL	PCA-2				PROJ. NO.	LIST NO. ML-10075			
		ISSUE	A	B							SHEET 3 OF 5 SHEETS
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION					REMARKS				
RV4ATXA104B	1	RESISTOR: variable, 100K					R111				
RV4ATXA225A	1	RESISTOR: variable, 2.5 Meg ohm					R130				
RW-109-24	1	RESISTOR: 1000 ohms, 10 watt, w.w.					R126				
RW-109-26	1	RESISTOR: 1500 ohms, 10 watt, w.w.					R125				
ST-22K	1	SWITCH: ON/OFF					S103				
SW-10012	1	SWITCH: toggle 3PDT 10A, 250 V.					S102				
SW-10015	1	SWITCH: rotary, Centralab PA-1006					S101				
TE-102-2	17	STAND OFF INSULATOR									
TF-126	1	TRANSFORMER: power					T103				
TF-10012	1	TRANSFORMER: input, special 600-25 ohm, 100K ohm					T101				
TF-10013	1	TRANSFORMER: output, T 49919-B					T102				
TF-10014	2	TRANSFORMER: audio, UTC # H1					T104, T105				
TM-100-4	1	TERMINAL BOARD: 4 way					E102				
TM-100-6	1	TERMINAL BOARD: 6 way					E101				
TS-101-PO1	1	TUBE SOCKET: octal									
TS-102-PO1	4	TUBE SOCKET: 7 pin, miniature									
TS-102-U01	1	TUBE SHIELD: 7 pin, miniature									
TS-102-U03	3	TUBE SHIELD: 7 pin, miniature									
TS-103-PO1	3	TUBE SOCKET: 9 pin, miniature									
TS-103-U02	3	TUBE SHIELD: 9 pin, miniature									
TS-106-1	1	LIGHT: miniature, bayonet, red frosted lens; indicator.					I101				

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BILL OF MATERIAL

MODEL PCA-2

PROJ. NO.

LIST NO. ML-10075

ISSUE A B

SHEET 4 OF 5 SHEETS

PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION	REMARKS
<u>SECTION II: Hardware</u>			
CU-102-3	1	CLAMP: plastic	
LWIO4MRN	26	LOCKWASHER: internal tooth # 4	
LWIO6MRN	28	LOCKWASHER: internal tooth # 6	
LWIO8MRN	3	LOCKWASHER: internal tooth # 8	
NTHO44OBN5	4	NUT: 4-40	
NTHO632BN8	42	NUT: 6-32	
NTHO832BN12	12	NUT: 8-32	
SC-110-1	12	SCREW: self tapping	
SCBF044OBN4	32	SCREW: 4-40	
SCBF0632BN5	20	SCREW: 6-32	
SCBF0632BN9	8	SCREW: 6-32	
SCBF0632BN32	2	SCREW: 6-32	
SCBF0832BN20	4	SCREW: 8-32	
SCFF0832BN6	6	SCREW: 8-32	
SCFF0832BN10	3	SCREW: 8-32	
SCFF0832BN14	1	SCREW: 8-32	
TE-104-1	6	LUG: ground # 4	
TE-104-2	10	LUG: ground # 6	
TE-104-3	1	LUG: ground # 8	
TE-101-5	2	LUG: meter	
WA-109-19	4	WASHER: fibre	

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BILL OF MATERIAL		MODEL PCA-2		PROJ. NO.								LIST NO. ML-10075	
		ISSUE A B										SHEET 5 OF 5 SHEETS	
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION								REMARKS			
		<u>SECTION III: Supporting Drawings</u>								Dwg. Size			
A-10229		FRONT PANEL ASSEMBLY								8			
A-10232		PARTIAL CHASSIS ASSEMBLY								8			
A-10234		MECHANICAL ASSEMBLY								4			
CK-10331		SCHEMATIC DIAGRAM								8			
LD-10077		STAMPING DETAILS CHASSIS								Ref. MS-10355			
MS-10266		LATCH ASSEMBLY								8			
MS-10270		POTENTIOMETER BRACKET								1			
MS-10272		FRONT PANEL								1			
MS-10278		HINGE DETAILS								8			
MS-10355		CHASSIS								2			
MS-10356		BRACKET SWITCH								Ref. LD-10077			
										8			
										1			
NP-10047		ESCUTCHEON PLATE								1			
NP-10048-1		ESCUTCHEON PLATE								1			
NP-10048-2		ESCUTCHEON PLATE								1			
NP-10049-2		NAMEPLATE								1			
NP-10050		ESCUTCHEON PLATE								1			
S-10027		PRODUCTION TESTING OF MODEL PCA-2								1			
		<u>SECTION IV: Loose Items supplied with Unit</u>											
CA-103-72	1	CORD ASSEMBLY											

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REVISION SHEET

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OTTAWA ONTARIO

ML-10075

MODEL -- -- PCA-2 -- --

PROJECT NO. -- -- -- -- -- -- -- -- -- --

DATE	REV.	PAGE	ITEM	DESCRIPTION	REMARKS	CHK.	APP.
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Complete Revision

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