

NOTES: UNLESS OTHERWISE SPECIFIED.

① E-2 CELLS MUST HAVE A
NEGATIVE OUTPUT AFTER
P.C. BOARD IS INSTALLED.

2. TEMPERATURE COEFFICIENT FOR
OUTPUT OF M.F.C.'S IS: $+2.5\%/^{\circ}\text{C}$
ALL CURRENT OUTPUTS IN μAMPS .

3. SPEC. CONTROL DWGS. FOR SOME OF THE ABOVE
CELLS MAY EXTEND THE OUTPUT RANGE UP TO
 $\pm 5\%$ MORE THAN SHOWN (AT $77^{\circ}\text{F}/25^{\circ}\text{C}$).

IN AIR CURRENT OUTPUT IN MICROAMPERES OF M.F.C.'s vs. TEMPERATURE

CELL CLASS	NOMINAL AT 77°F	70°F		71°F		72°F		73°F		74°F		75°F		76°F		77°F	
		LO	HI	LO	HI	LO	HI	LO	HI	LO	HI	LO	HI	LO	HI	LO	HI
A-1	925	531	1146	539	1162	546	1179	554	1195	562	1212	570	1229	578	1246	586	1264
A-3,A-5,E-1,T-6	185	106	229	108	233	109	236	111	239	112	243	114	246	115	249	117	253
A-2C,B-1,B-2,B-4,Z-2,T-3,L-2C,L-2CL, L-2CI	463	266	573	269	581	273	589	277	598	281	606	285	615	289	623	293	632
B-3	315	218	354	221	359	224	364	227	369	230	374	233	379	237	385	240	390
B-6, S-2, C5M25F	300	218	326	221	331	224	336	227	340	230	345	233	350	237	355	240	360
B-7	154	89	190	90	193	91	196	93	199	94	201	95	204	97	207	98	210
C-5	62	35	77	36	78	36	79	37	80	37	82	38	83	38	84	39	85
C-6PT	175	127	190	129	193	131	196	132	199	134	201	136	204	138	207	140	210
C-3 (FOR R20)	237	180	250	182	254	185	257	187	261	190	265	193	268	195	272	198	276
C-1, C-2, C-6, T-1, T-2,R-12	200	145	218	147	221	149	224	151	227	153	230	156	233	158	237	160	240
C-3, C-1CER	210	145	236	147	239	149	242	151	246	153	249	156	253	158	256	160	260
E-2 ①	-62	-35	-77	-36	-78	-36	-79	-37	-80	-37	-82	-38	-83	-38	-84	-39	-85
E-3B	14	9	16	9	17	9	17	9	17	10	17	10	18	10	18	10	18
K2	60	37	72	38	73	38	74	39	75	39	76	40	77	40	78	41	79
R-17,R-21,R-22, I-22, N-33, R-33s	113	62	142	63	144	63	146	64	148	65	151	66	153	67	155	68	157
R-6,B-5,C-6NM	105	67	123	68	125	69	127	70	129	71	130	72	132	73	134	74	136
R-11,T-5,T-5A	67	49	73	50	74	50	75	51	76	52	77	53	78	53	79	54	80
R-15,K-1,K-1D, R-31MED, R-32MED, R-36MED	59	44	63	44	64	45	65	45	66	46	67	47	68	47	69	48	70
R-15CER	52	40	53	40	54	41	55	42	56	42	57	43	57	43	58	44	59
T7 (CELL SUB-ASS'Y)	120	65	151	66	154	67	156	68	158	69	160	70	162	71	165	72	167
B-1PM50,B2PM50	250	150-350															
C-3 (FOR R10DV)	187	145	193	147	196	149	199	151	201	153	204	156	207	158	210	160	213
R-23 (EACH CATHODE)	28	22	29	22	29	22	30	23	30	23	31	23	31	24	32	24	32
R-23MED (EACH CATHODE)	28	22	30	22	30	22	31	23	31	23	32	23	32	24	33	24	33
R-28FT	30	22	32	22	32	22	33	23	33	23	34	23	34	24	35	24	35
R-24,R-26,R-28	136	79	168	80	170	81	173	82	175	83	177	85	180	86	182	87	185
R-22MED (USE FOR R10DS)	115	82	127	83	129	84	131	85	132	86	134	88	136	89	138	90	140
PHOENIX D-70504	110	80	120	81	121	82	123	83	125	84	127	86	128	87	130	88	132
NON-MAGNETIC SUBASSY FOR R10DN, R22DN	99	76	103	77	105	78	106	79	108	81	109	82	111	83	112	84	114
SCOTTISH ANGLO (D-66868), NON-MAGNETIC D-72977	80	54	91	55	92	56	93	57	95	58	96	58	97	59	99	60	100

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REVISIONS

REV	DESCRIPTION	DATE	APP.	REV.
44	INC ECO 03-0104	12/18/03	MG	VF
45	INC ECO 05-0049	06/02/05	MG	VF

FINAL ASSEMBLY OUTPUTS

SENSOR	OUTPUT (IN AIR)	LOAD	TEST RANGE
R-22AH	11.0 - 13.5MV	10K	R22AFAM 6.0-14.5MV
R-22ASIE	7-11MV	10K	
R-22ASAP, R22AGR	9.5-13.5MV	10K	
R-22AAS	6.0-12.0MV	NONE	
R-22AGLO	9.5-14.5MV	10K	
R-22AGRY	9.5-13.5MV	10K	
R22 All Remaining	7.5-12.5MV	10K	
R22MED All	7.5-12.5MV	10K	R22MEDFAM 7.5-15.5MV
R-22-2BUD	8.5 - 12.5 mV	10K	8.5-12.5 mV
R-22DHO	25±2 mV	3.2K	25±2 mV
R-17D AND R-22D	8-13 mV	10K	8.5-12.5 mV
R-22DVHO	25.5 - 39.5 mV	10K	26.0-39.0mV
B-9	17-21	NONE	
K-1D	7-13MV	NONE	
K-2	17-33MV	NONE	
N-33	7-13MV	10K	7-13MV
R-8	16-24MV	NONE	
R-10 ALL	ADJ TO 25MV	6K	25±2 mV
R-17DNUV	ADJ TO 25MV	10K	25±2 mV
R-12	16-24MV	NONE	
R-33 ALL	ADJ TO 25MV	10K	25±2 mV

FINAL ASSEMBLY OUTPUTS

SENSOR	OUTPUT (IN AIR)	LOAD	TEST RANGE
R-17ABOS	7-11.5MV	10K	R17AFAM 7.5-13.5MV
R-17ASIE	7-11MV	10K	
R-17ASAP, R-17AH	11.0-13.5MV	10K	
R-17 All Remaining	7.5-12.5MV	10K	
R-17BRD	9.7-13.5MV	10K	R17MEDFAM 7.5-13.5MV
R-17BPR	9.5-12.5MV	10K	
R-17SL	10.5-16.5MV	10K	
R-17MED All Remaining	7.5 -12.5MV	10K	
R-19	9-15MV	10K	
R-20	7-13MV	1.13K	
R-21ASO	9.5-13.5MV	10K	R21AFAM 7.5-13.5MV
R-21A All Remaining	7.5-12.5MV	10K	
R-24MED, R36MED	10.5 - 17 mV	10K	
R-24SIE	10.5 - 17 mV	10K	
R-26 MED	7.5-12.5 MV	10K	
R-28	25-54MV	NONE	
R-28FT (N)	10-15MV	NONE	
R-34 MED	10-14MV	NONE	
T-7	17-21MV	NONE	

ITEM	QTY	PART No.	DESCRIPTION
BILL OF MATERIAL			
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S/	SIGNATURES		DATE
N/	DRFT: M.VENEGAS		8/25/93
I/	CHK:		
P/	APPR:		
O/	ENGR: JM LAUER		
F/	C.O.: ---		
REFERENCE	CAD I.D. B49230-45		
TITLE			SCALE NTS
MICRO FUEL CELLS OUTPUT VS TEMPERATURE			SIM
SHEET 1 OF 2			
MATL.			DWG NO.
			B-49230
			REV
			45