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TECHNOLOGY GROUP

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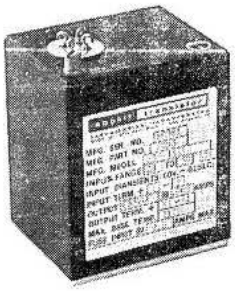
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abbott 28 VDC to DC (Reg.) Hi-Temp.



POWER MODULES

features

- Hi-temp. +212°F.
- 5 to 740 volts
- Hermetically sealed
- Short circuit protection
- Input spike protection

specifications

Input Voltage Range
24 to 30 volts DC

Line Regulation
±0.2% for input 24 to 30 VDC

Voltage Regulation
±1.5% for input 24 to 30 VDC and from ½ load to full load on Model B's
±2.5% for input 24 to 30 VDC and from ½ load to full load on Model BL's

Ripple
0.5 RMS — Model B's
1.0% RMS — Model BL's

Voltage Adjustment Range
12% by screwdriver adjustment

Input Transient Protection
In accordance with MIL-STD-704A, Limit 1, Category B (80 volts for 0.1 sec.)

Reliability
120,000 hours MTBF typical per MIL-HDBK-217 under worst case operating conditions

Environment
+212°F max. at mounting base using adequate heat sink
−65°F min. at mounting surface
Altitude: To vacuum (true hermetic seal). Vibration, shock, sand, dust, humidity, salt-spray, fungus, sunshine, rain, and explosion to MIL-STD-810B and MIL-E-5400K, Class 2

Output Voltage and Current
See specific models listed
(Outputs and inputs are isolated)

Output Voltage Range	Output Current (Amps)	Size (See Dwg.)	Wt. lbs.	Model Number	Price 1 pc.	Price 2-4 pcs.
4.7-5.3	0.400	1B	0.5	BL02D-5A	$218	$197
	1.0	1A	0.9	BL05D-5A	231	208
	2.0	1	1.0	BL1D-5A	253	230
	4.0	2	1.1	BL2D-5A	279	254
	6.0	4	1.3	BL3D-5A	299	272
	10.0	6A	2.5	BL5D-5A	344	313
5.3-5.9	0.357	1B	0.5	BL02D-5.6A	212	191
	0.9	1A	0.9	BL05D-5.6A	225	203
	1.8	1	1.0	BL1D-5.6A	247	225
	3.6	2	1.1	BL2D-5.6A	267	243
	5.4	4	1.3	BL3D-5.6A	293	266
	8.91	6A	2.5	BL5D-5.6A	339	308
5.9-6.6	0.318	1B	0.5	BL02D-6.3A	212	191
	0.8	1A	0.9	BL05D-6.3A	225	203
	1.6	1	1.0	BL1D-6.3A	247	225
	3.2	2	1.1	BL2D-6.3A	267	243
	4.8	4	1.3	BL3D-6.3A	293	266
	7.92	6	1.9	BL5D-6.3A	339	308
6.6-7.4	0.286	1B	0.5	BL02D-7A	212	191
	0.7	1A	0.9	BL05D-7A	225	203
	1.4	1	1.0	BL1D-7A	247	225
	2.8	2	1.1	BL2D-7A	267	243
	4.2	4	1.3	BL3D-7A	286	260
	7.15	6	1.9	BL5D-7A	331	301
7.4-8.3	0.253	1B	0.5	BL02D-7.9A	212	191
	0.63	1A	0.9	B05D-7.9A	225	203
	1.26	1	1.0	BL1D-7.9A	247	225
	2.52	2	1.1	BL2D-7.9A	267	243
	3.78	4	1.3	BL3D-7.9A	286	260
	6.32	6	1.9	BL5D-7.9A	331	301
8.3-9.3	0.227	1B	0.5	BL02D-8.8A	212	191
	0.57	1A	0.9	B05D-8.8A	225	203
	1.14	1	1.0	BL1D-8.8A	240	218
	2.28	2	1.1	BL2D-8.8A	260	236
	3.42	4	1.3	BL3D-8.8A	279	254
	5.68	6	1.9	BL5D-8.8A	324	295
9.3-10.4	0.202	1B	0.5	B02D-9.9A	206	186
	0.50	1A	0.9	B05D-9.9A	218	197
	1.00	1	1.0	BL1D-9.9A	240	218
	2.00	2	1.1	BL2D-9.9A	253	230
	3.00	4	1.3	BL3D-9.9A	273	248
	5.05	6	1.9	BL5D-9.9A	324	295
	10.10	11	3.7	BL10D-9.9A	365	329
10.4-11.6	0.182	1B	0.5	B02D-11A	206	186
	0.45	1A	0.9	B05D-11A	218	197
	0.91	1	1.0	BL1D-11A	234	213
	1.82	2	1.1	BL2D-11A	247	225
	2.73	4	1.3	BL3D-11A	273	248
	4.55	6	1.9	BL5D-11A	319	290
	9.10	11	3.7	BL10D-11A	362	326
11.6-13.0	0.163	1B	0.5	B02D-12.3A	206	186
	0.40	1A	0.9	B05D-12.3A	218	197
	0.81	1	1.0	BL1D-12.3A	234	213
	1.62	2	1.1	BL2D-12.3A	253	230
	2.43	4	1.3	BL3D-12.3A	273	248
	4.06	6	1.9	BL5D-12.3A	311	283
	8.12	11	3.7	BL10D-12.3A	350	315
	13.83	14	10.3	BL17D-12.3A	465	419
13.0-14.8	0.145	1B	0.5	B02D-13.8A	206	186
	0.36	1A	0.9	B05D-13.8A	218	197
	0.72	1	1.0	BL1D-13.8A	234	213
	1.44	2	1.1	BL2D-13.8A	267	243
	2.16	4	1.3	BL3D-13.8A	279	254
	3.52	6	1.9	BL5D-13.8A	305	277
	7.24	11	3.7	BL10D-13.8A	343	309
	12.31	14	10.3	BL17D-13.8A	409	369
14.8-16.6	0.127	1B	0.5	B02D-15.7A	$206	$186
	0.32	1A	0.9	B05D-15.7A	218	197
	0.64	1	1.0	BL1D-15.7A	234	213
	1.28	2	1.1	BL2D-15.7A	267	243
	1.92	4	1.3	BL3D-15.7A	279	254
	3.18	6	1.9	BL5D-15.7A	305	277
	6.36	11	3.7	BL10D-15.7A	337	304
	10.81	14	10.3	BL17D-15.7A	398	359
16.6-18.6	0.114	1B	0.5	B02D-17.6A	200	180
	0.28	1A	0.9	B05D-17.6A	212	191
	0.57	1	1.0	BL1D-17.6A	228	207
	1.14	2	1.1	BL2D-17.6A	260	236
	1.71	4	1.3	BL3D-17.6A	267	243
	2.84	6	1.9	BL5D-17.6A	299	272
	5.68	11	3.7	BL10D-17.6A	331	298
	9.65	14	10.3	BL17D-17.6A	392	353
18.6-20.8	0.101	1B	0.5	B02D-19.7A	200	180
	0.255	1A	0.9	B05D-19.7A	212	191
	0.510	1	1.0	BL1D-19.7A	228	207
	1.02	2	1.1	BL2D-19.7A	260	236
	1.63	4	1.3	BL3D-19.7A	267	243
	2.54	6	1.9	BL5D-19.7A	286	260
	5.08	11	3.7	BL10D-19.7A	331	298
	8.62	14	10.3	BL17D-19.7A	392	353
20.3-23.3	0.091	1B	0.5	B02D-22A	193	174
	0.230	1A	0.9	B05D-22A	206	186
	0.460	1	1.0	BL1D-22A	221	201
	0.920	2	1.1	BL2D-22A	253	230
	1.38	4	1.3	BL3D-22A	260	236
	2.27	6	1.9	BL5D-22A	286	260
	4.54	11	3.7	BL10D-22A	331	298
	7.72	14	10.3	BL17D-22A	392	353
23.3-26.1	0.081	1B	0.5	B02D-24.7A	193	174
	0.205	1A	0.9	B05D-24.7A	206	186
	0.410	1	1.0	BL1D-24.7A	221	201
	0.820	2	1.1	BL2D-24.7A	253	230
	1.23	4	1.3	BL3D-24.7A	260	236
	2.02	6	1.9	BL5D-24.7A	286	260
	4.04	11	3.7	BL10D-24.7A	331	298
	6.88	14	10.3	BL17D-24.7A	392	353
26.1-29.2	0.073	1B	0.5	B02D-27.6A	193	174
	0.180	1A	0.9	B05D-27.6A	206	186
	0.360	1	1.0	BL1D-27.6A	221	201
	0.720	2	1.1	BL2D-27.6A	247	225
	1.08	4	1.3	BL3D-27.6A	260	236
	1.81	6	1.9	BL5D-27.6A	286	260
	3.62	11	3.7	BL10D-27.6A	331	298
	6.16	14	10.3	BL17D-27.6A	392	353
29.2-32.6	0.065	1B	0.5	B02D-31A	193	174
	0.160	1A	0.9	B05D-31A	206	186
	0.320	1	1.0	B1D-31A	221	201
	0.640	2	1.1	B2D-31A	240	218
	0.960	4	1.3	BL3D-31A	260	236
	1.61	6	1.9	BL5D-31A	286	260
	3.22	11	3.7	BL10D-31A	331	298
	5.48	14	10.3	BL17D-31A	392	353
32.6-36.5	0.058	1B	0.5	B02D-34.6A	193	174
	0.145	1A	0.9	B05-34.6A	206	186
	0.290	1	1.0	B1D-34.6A	221	201
	0.580	2	1.1	B2D-34.6A	228	207
	0.870	4	1.3	BL3D-34.6A	260	236
	1.44	6	1.9	BL5D-34.6A	286	260
	2.88	11	3.7	BL10D-34.6A	331	298
	4.91	14	10.3	BL17D-34.6A	392	353
36.5-40.9	0.052	1B	0.5	B02D-38.7A	$193	$174
	0.130	1A	0.9	B05D-38.7A	206	186
	0.260	1	1.0	B1D-38.7A	221	201
	0.520	2	1.1	B2D-38.7A	228	207
	0.780	4	1.3	BL3D-38.7A	260	236
	1.29	6	1.9	BL5D-38.7A	286	260
	2.58	11	3.7	BL10D-38.7A	331	298
	4.39	14	10.3	BL17D-38.7A	392	353
40.9-45.8	0.046	1B	0.5	B02D-43.3A	193	174
	0.155	1A	0.9	B05D-43.3A	206	186
	0.230	1	1.0	B1D-43.3A	221	201
	0.460	2	1.1	B2D-43.3A	228	207
	0.690	4	1.3	BL3D-43.3A	260	236
	1.15	6	1.9	BL5D-43.3A	286	260
	2.30	11	3.7	BL10D-43.3A	331	298
	3.92	14	10.3	BL17D-43.3A	392	353
45.8-51.4	0.041	1B	0.5	B02D-48.6A	193	174
	0.108	1A	0.9	B05D-48.6A	206	186
	0.206	1	1.0	B1D-48.6A	221	201
	0.412	2	1.1	B2D-48.6A	228	207
	0.618	4	1.3	B3D-48.6A	260	236
	1.03	6	1.9	BL5D-48.6A	286	260
	2.06	11	3.7	BL10D-48.6A	331	298
	3.49	14	10.3	BL17D-48.6A	392	353
51.4-59.0	0.036	1B	0.5	B02D-55.2A	193	174
	0.091	1A	0.9	B05D-55.2A	206	186
	0.182	1	1.0	B1D-55.2A	221	201
	0.364	2	1.1	B2D-55.2A	228	207
	0.546	4	1.3	B3D-55.2A	260	236
	0.905	6	1.9	BL5D-55.2A	286	260
	1.81	11	3.7	BL10D-55.2A	331	298
	3.07	14	10.3	BL17D-55.2A	392	353
59.0-66.0	0.032	1B	0.5	B02D-63A	193	174
	0.080	1A	0.9	B05D-63A	206	186
	0.160	1	1.0	B1D-63A	221	201
	0.320	2	1.1	B2D-63A	228	207
	0.480	4	1.3	B3D-63A	260	236
	0.795	6	1.9	BL5D-63A	286	260
	1.59	11	3.7	BL10D-63A	331	298
	2.69	14	10.3	BL17D-63A	392	353
66.0-74.0	0.029	1B	0.5	B02D-70A	193	174
	0.071	1A	0.9	B05D-70A	206	186
	0.143	1	1.0	B1D-70A	221	201
	0.286	2	1.1	B2D-70A	228	207
	0.429	4	1.3	B3D-70A	253	230
	0.715	6	1.9	BL5D-70A	279	254
	1.43	11	3.7	BL10D-70A	331	298
	2.42	14	10.3	BL17D-70A	392	353
74.0-83.0	0.025	1B	0.5	B02D-79A	193	174
	0.063	1A	0.9	B05D-79A	206	186
	0.127	1	1.0	B1D-79A	221	201
	0.254	2	1.1	B2D-79A	228	207
	0.381	4	1.3	B3D-79A	253	230
	0.634	6	1.9	BL5D-79A	267	243
	1.27	11	3.7	BL10D-79A	331	298
	2.15	14	10.3	BL17D-79A	392	353
83.0-740.0	150 other standard models are available with output voltages between 83.0 and 740.0 Vdc at output power ratings of 2, 5, 10, 20, 30, 50, 100 or 170 watts. For complete information, please consult one of the offices listed below.					

*See page Vol.1•593 for size charts

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