

World Class Medical Linears, Single- and Multi-Output

- Features
- 36 Models (Single, Dual and Triple Output)
  - Three Power Levels (5-92 Watts)
  - Approved to UL 544, IEC 601 and UL 2601
  - AC Input: 110/120/220/240 VAC, 47-63 Hz
  - Leakage Current: <10 µA
  - OVP on All 5 V Outputs

Specifications

**AC Input:** 100/120/220/240 VAC +10%, -13%, 47-63 Hz. Tolerance for 230 VAC operation is +15%, -10%. Derate output current 10% for 50 Hz operation. The L and LL case units have AC input of 95-132/190-264 VAC, 47-63 Hz. This range can be extended to 90-132/180-264 VAC by derating output current 20%.

**Line Regulation:** ±0.05% for a 10% change.

**Load Regulation:** ±0.05% for a 50% load change.

**Output Ripple:** 3 mV +0.05% of output voltage, peak to peak maximum.

**Transient Response:** ≤50 microseconds for 50% load change.

**Short Circuit Protection:** Automatic current limit/foldback.

**Overload Protection:** Built-in on all 5 V models, set at 6.2 V ± 0.4 V. Other models use optional overvoltage protection. OVP is not optional on L and LL case units; however, it is built-in on 5 V output models.

**Remote Sensing:** Provided on all models, 3 amps and above, open sense lead protection built-in.

**Stability:** ±0.05% for 24 hours after warmup.

**Temperature Rating:** 0 to 50°C full rated, derated linearly to 40% at 70°C.

**Temperature Coefficient:** ±0.01%/°C maximum.

**Efficiency:** 5 V units — 45%; 12 and 15 V units — 55%; 20 and 24 V units — 60%.

**Vibration:** Per Mil-Std-810D, Method 5143, Category 1, Procedure I.

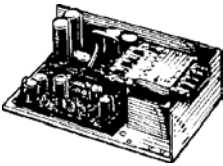
**Shock:** Per Mil-Std-810D, Method 5163, Procedure III.

**Remote Programming:** Capability included on remote sense models.

**Safety Specifications:** All models are approved to the following safety specifications — IEC 601, VDE 0750, UL 544, CSA 22.2 #234, L3, UL 2601-1 pending.

**EMI Specifications:** All models are tested to meet or exceed the conducted emissions requirements of FCC 20870, Class B and VDE 0871, Class B without the addition of external filters.

- Features (Continued)
- Meets EMI Per FCC/VDE B
  - Hermetically Sealed Power Transistors and ICs
  - MTBF 200,000+ Hours Per Mil Handbook 217D
  - 8 Hour Burn-In with AC Cycling
  - Try Before You Buy — Free Evaluation Samples Available
  - 2 Year Warranty



Stock No.	Mfr.'s Type	Output	Leakage Current	Size (Inches)	EACH	
					1-4	5-24
744-3085	ML5-1/OVP-A	5 V @ 1.00 A	2.0 µA	4.25 × 3.25 × 1.80	42.60	41.32
744-3090	MB5-3/OVP-A	5 V @ 3.00 A	6.0 µA	4.88 × 4.00 × 2.25	51.33	49.79
744-3095	MC3-6/OVP-A	5 V @ 6.00 A	6.0 µA	5.63 × 4.86 × 2.95	65.52	63.56
744-3100	ML5-12/OVP-A	5 V @ 12.0 A	7.5 µA	9.00 × 4.86 × 3.30	101.57	92.97
744-3105	ML12-0.5-A	12 V @ 0.50 A	2.0 µA	4.25 × 3.25 × 1.80	42.60	41.32
744-3110	MB12-1.7-A	12 V @ 1.70 A	6.0 µA	4.88 × 4.00 × 2.25	50.34	48.28
744-3115	MC12-3.4-A	12 V @ 3.40 A	6.0 µA	5.63 × 4.86 × 2.95	64.26	61.61
744-3120	MD12-6.8-A	12 V @ 6.80 A	7.5 µA	9.00 × 4.86 × 3.30	105.01	100.81
744-3125	ML15-0.4-A	15 V @ 0.40 A	2.0 µA	4.25 × 3.25 × 1.80	41.78	40.06
744-3130	MB15-1.5A	15 V @ 1.50 A	6.0 µA	4.86 × 4.00 × 2.25	51.33	49.79
744-3230	MC15-3-A	15 V @ 3.00 A	6.0 µA	5.63 × 4.86 × 2.95	64.26	61.61
744-3235	MD15-6-A	15 V @ 6.00 A	7.5 µA	9.00 × 4.86 × 3.30	99.61	95.52
744-3245	MB24-1.2-A	24 V @ 1.20 A	6.0 µA	4.86 × 4.00 × 4.25	54.61	52.50
744-3250	MC24-2.4-A	24 V @ 2.40 A	6.0 µA	5.63 × 4.86 × 2.95	66.57	63.56
744-3255	MD24-4.8-A	24 V @ 4.80 A	7.5 µA	9.00 × 4.86 × 3.30	101.57	98.51
744-3260	MB28-1-A	28 V @ 1.00 A	6.0 µA	4.86 × 4.00 × 2.25	51.33	49.79
744-3265	MC28-2-A	28 V @ 2.00 A	6.0 µA	5.63 × 4.86 × 2.95	64.26	61.61
744-3270	MD28-4-A	28 V @ 4.00 A	7.5 µA	9.00 × 4.86 × 3.30	99.61	95.52

Multiple-Output

Stock No.	Mfr.'s Type	Output 1	Output 2	Output 3	Leakage Current	Size (Inches)	EACH	
							1-4	5-24
744-3135	MLL12-0.25-A	+12 V @ 0.25 A	-12 V @ 0.25 A	—	2.0 µA	4.25 × 3.25 × 1.80	53.78	52.17
744-3140	MLL15-0.2-A	+15 V @ 0.20 A	-15 V @ 0.20 A	—	2.0 µA	4.25 × 3.25 × 1.80	53.05	49.26
744-3145	MAA15-0.8-A	+12/15 V @ 1.0/0.8 A	-12/15 V @ 1.0/0.8 A	—	6.0 µA	6.50 × 4.00 × 2.25	58.93	56.15
744-3150	MBB15-1.5-A	+12/15 V @ 1.7/1.5 A	-12/15 V @ 1.7/1.5 A	—	6.0 µA	7.00 × 4.88 × 2.95	75.99	72.03
744-3155	MCC15-3-A	+12/15 V @ 3.4/3.0 A	-12/15 V @ 3.4/3.0 A	—	7.5 µA	9.38 × 4.88 × 3.30	109.24	104.75
744-3160	MAA512-A	5 V @ 2.0 A	-12/15 V @ 0.5 A	—	6.0 µA	6.50 × 4.00 × 2.25	65.34	62.65
744-3165	MBB512-A	5 V @ 3.0 A	9-15 V @ 1.25 A	—	6.0 µA	7.00 × 4.88 × 2.95	80.81	78.38
744-3170	MCC512-A	5 V @ 6.0 A	9-15 V @ 2.5 A	—	7.5 µA	9.38 × 4.88 × 3.30	117.81	112.97
744-3185	MCC524-A	5 V @ 6.0 A	18-24 V @ 2.0 A	—	7.5 µA	9.38 × 4.88 × 3.30	120.13	116.51
744-3200	MTLL-5W-A	5 V @ 0.5 A	+12-15 V @ 0.1 A	-12-15 V @ 0.1 A	2.0 µA	4.25 × 3.25 × 1.80	56.77	54.44
744-3205	MTAA-16W-A	5 V @ 2.0 A	+12-15 V @ 0.4 A	-12-15 V @ 0.4 A	6.0 µA	6.50 × 4.00 × 2.25	82.95	70.35
744-3210	MBAA-40W-A	5 V @ 3.0 A	+12/15 V @ 1.0/0.8 A	-12/15 V @ 1.0/0.8 A	6.0 µA	10.25 × 4.00 × 2.95	96.10	93.21
744-3215	MCAA-60W-A	5 V @ 6.0 A	+12/15 V @ 1.0/0.8 A	-12/15 V @ 1.0/0.8 A	7.5 µA	9.00 × 4.88 × 3.30	116.86	113.34
744-3220	MCBB-75W-A	5 V @ 6.0 A	+12/15 V @ 1.7/1.5 A	-12/15 V @ 1.7/1.5 A	7.5 µA	11.00 × 4.88 × 3.30	128.86	124.99

125 Watt Global Performance Switchers — GPFC125 Commercial/GPFM125 Medical

— NEW —

- Features
- Compact 125 Watt Multiple Output
  - AC Input 90-264 Vac, 47-63 Hz Single Phase
  - Power Density of 4 Watts Per Cubic Inch
  - Power Factor Correction to Meet EN61000-3-2
  - Small Package 6.00" × 3.5" × 1.5"
  - Commercial Approved to UL1950, IEC950, CSA22.2 No. 950 and EN60950
  - Medical Approved to UL2601, IEC601-1, CSA22.2 No. 601-1, EN60601
  - CE Marked to LVD

Voltage		Output Max. (A)*	Voltage Max. (A)†	Voltage Adjustment	OVP Set.	Total Reg.	Ripple and Noise	Commercial Model				Medical Model			
Output No.	Output (V)							Stock No.	Mfr.'s No.	EACH		Stock No.	Mfr.'s No.	EACH	
										1-4	5-24			1-4	5-24
1	+5.0	9.0	16.0	±5%	6.2 ±0.6 V	1%	1%	744-4200	GPFC125A	175.95	171.06	744-4240	GPFM125A	206.55	200.81
2	+12.0	4.0	7.0	—	—	1%	1%								
3‡	12.0	2.5	4.0	—	—	1%	1%								
4	-12.0	0.2	1.0	—	—	1%	1%								
1	+5.0	9.0	16.0	±5%	6.2 ±0.6 V	1%	1%	744-4205	GPFC125B	175.95	171.06	744-4245	GPFM125B	206.55	200.81
2	+12.0	4.0	7.0	—	—	1%	1%								
3‡	12.0	2.5	4.0	—	—	1%	1%								
4	-5.0	0.2	1.0	—	—	1%	1%								
1	5.0	9.0	16.0	±5%	6.2 ±0.6 V	1%	1%	744-4210	GPFC125C	175.95	171.06	744-4250	GPFM125C	206.55	200.81
2	12.0	4.0	7.0	—	—	1%	1%								
3‡	15.0	2.5	4.0	—	—	1%	1%								
4	-15.0	0.2	1.0	—	—	1%	1%								
1	+5.0	9.0	16.0	±5%	6.2 ±0.6 V	1%	1%	744-4215	GPFC125D	175.95	171.06	744-4255	GPFM125D	206.55	200.81
2	+24.0	3.0	4.5	—	—	1%	1%								
3‡	12.0	2.5	4.0	—	—	1%	1%								
4	-12.0	0.2	1.0	—	—	1%	1%								
1	+5.0	9.0	16.0	±5%	6.2 ±0.6 V	1%	1%	744-4220	GPFC125E	175.95	171.06	744-4260	GPFM125E	206.55	200.81
2	+24.0	3.0	4.5	—	—	1%	1%								
3‡	15.0	2.5	4.0	—	—	1%	1%								
4	-15.0	0.2	1.0	—	—	1%	1%								
1	+5.0	9.0	16.0	±5%	6.2 ±0.6 V	1%	1%	744-4225	GPFC125F	175.95	171.06	744-4265	GPFM125F	206.55	200.81
2	+15.0	3.5	6.0	—	—	1%	1%								
3‡	15.0	2.5	4.0	—	—	1%	1%								
4	-5.0	0.2	1.0	—	—	1%	1%								
1	+5.0	9.0	16.0	±5%	6.2 ±0.6 V	1%	1%	744-4230	GPFC125G	175.95	171.06	744-4270	GPFM125G	206.55	200.81
2	+3.3	7.0	10.0	—	4.2 ±0.6 V	1%	2%								
3‡	12.0	2.5	4.0	—	—	1%	1%								
4	-12.0	0.2	1.0	—	—	1%	1%								
1	+3.3	9.0	16.0	±5%	4.2 ±0.6 V	1%	2%	744-4235	GPFC125H	175.95	171.06	744-4275	GPFM125H	206.55	200.81
2	+5.0	4.0	7.0	—	6.2 ±0.6 V	1%	1%								
3‡	12.0	2.5	4.0	—	—	1%	1%								
4	-12.0	0.2	1.0	—	—	1%	1%								

\*Continuous ratings for unrestricted convection cooling. †Peak rating or continuous rating with 150 LFM air cooling. ‡Output 3 is isolated. Can be connected as + or - output.