



**Conducted EMI per FCC
Class B & VDE0871
Level B**

**Worldwide Voltage
Taps**

Low Output Ripple

**Excellent Line & Load
Regulation**

**Operating Ambient up
to +70°C**

**Industry Standard
Package Sizes**

**Worldwide Safety
Agency Approvals**

**Lambda's 2 Year
Warranty**

Lambda's new H Series of linear power supplies feature very low output ripple and excellent regulation for sensitive applications.

Twenty models with single, dual and triple outputs are available in eight Industry Standard package sizes. They deliver output voltages of 5 to 28 volts and power levels from 15 to 115 watts. The H Series is designed for worldwide use being UL recognized, CSA certified, TUV approved, and carrying the CE mark.

Similar products

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AC Input	100/120/220/230/240 VAC, 47-63 Hz (Derate 10% for 50Hz. operation).
Efficiency	5V models 45%, 12V/15V models 55%, 24V models 60%.
Transient Response	50µs for 50% load change.
EMI	FCC Class B, VDE 0871 Level B.
Output Voltage Adj Range ..	±5% for all outputs (except channels 2 & 3 on triple output models).
Line Regulation	±0.05% for 10% line change.
Load Regulation	±0.05% for 50% load change.
Ripple and Noise	<3mV pk to pk.
Overcurrent Protection	Foldback with automatic recovery.
Overvoltage Protection	Standard on 5V outputs set at 6.2V ±0.4V. Optional OVP circuit available - OVP12.
Cooling	Natural Convection.
Operating Temperature Range	0°C to +50°C, derate 3% per °C above 50°C up to 70°C.
Storage Temperature	-55°C to +85°C.
Temperature Coefficient	±0.01% per °C.
Humidity	5% to 95% RH (non-condensing).
Leakage Current	Less than 50µA.
Vibration and Shock	MIL-STD-810C, Method 514.
Shock	MIL-STD-810C, Method 516.
Remote Sensing	All single output models, HDC12 & HDC15 and channel 1 on triple output models.
Safety Agency Approval	UL1950, CSA950, EN60950, CE Mark.
Warranty	2 years.

OUTPUT	POWER (W)	MAX CURRENT AMPS AT			MODEL
		50°	60°	71°	
Single Output					
5V (4.75-5.25)	15.0 30.0 45.0 60.0	3.0 6.0 9.0 12.0	2.1 4.2 6.3 8.4	1.2 2.4 3.6 4.8	HSB-5-3-OVP HSC-5-6-OVP HSN-5-9-OVP HSD-5-12-OVP
12V (11.4-12.6)	20.4 40.8 61.2	1.7 3.4 5.1	1.2 2.4 3.6	0.7 1.4 2.0	HSB-12-1.7 HSC-12-3.4 HSN-12-5.1
15V (14.25-15.75)	22.5 45.0 67.5	1.5 3.0 4.5	1.1 2.1 3.2	0.6 1.2 1.8	HSB-15-1.5 HSC-15-3 HSN-15-4.5
24V (22.8-25.2)	28.8 57.6 86.4 115.2	1.2 2.4 3.6 4.8	0.8 1.7 2.5 3.4	0.5 1.0 1.4 1.9	HSB-24-1.2 HSC-24-2.4 HSN-24-3.6 HSD-24-4.8
28V	28 56 84 112	1.0 2.0 3.0 4.0	0.7 1.4 2.1 2.8	0.4 0.8 1.2 1.6	HSB-28-1.0 HSC-28-2.0 HSN-28-3.0 HSD-28-4.0
Dual Outputs					
+12/15V	24	1.0/0.8	0.7/0.56	0.4/0.32	HDA-12-15
-12/15V		1.0/0.8	0.7/0.56	0.4/0.32	
+12/15V	40	1.8/1.5	1.26/1.05	0.72/0.6	HDB-12-15
-12/15V		1.8/1.5	1.26/1.05	0.72/0.6	
12V*	80	3.4	2.4	1.4	HDC-12
12V*		3.4	2.4	1.4	
15V*	80	3.0	2.1	1.2	HDC-15
15V*		3.0	2.1	1.2	
Triple Outputs					
5V*	40	3.0			HTC1
+12/15V		1.0/0.8	0.7/0.56	0.4/0.32	
-12/15V		1.0/0.8	0.7/0.56	0.4/0.32	
5V*	70	6.0			HTD1
+12/15V		1.7/1.5	1.2/1.05	0.68/0.6	
-12/15V		1.7/1.5	1.2/1.05	0.68/0.6	
Ovp Option					
N/A	12				OVP12

*Isolated outputs

DIMENSIONS:

MODEL	A	B	C	D	E	F	G
HSB A	4.84 (123.0)	3.99 (101.4)	1.61 (41.0)	.37 (9.3)	3.370 (85.6)	4.141 (105.2)	-
HSC B	4.87 (123.5)	5.63 (142.6)	2.50 (62.8)	.44 (11.2)	4.875 (124.0)	4.118 (104.5)	-
HSN C	7.00 (178.0)	4.67 (118.7)	2.75 (69.9)	.58 (14.2)	4.125 (104.8)	6.250 (158.8)	1.248 (31.7)
HSD I	9.00 (229.0)	4.67 (118.7)	2.75 (70.0)	.58 (14.7)	4.125 (104.8)	8.000 (203.0)	1.250 (32.0)
HDA H	4.00 (102.0)	6.50 (165.0)	1.62 (41.5)	.45 (11.5)	6.750 (172.9)	3.375 (86.0)	-
HDB D	4.87 (124.0)	7.00 (178.0)	2.50 (63.5)	.75 (19.0)	6.250 (159.0)	4.125 (104.8)	1.250 (32.0)
HDC I	9.00 (229.0)	4.87 (124.0)	2.75 (70.0)	.58 (14.7)	4.125 (104.8)	8.000 (203.0)	1.250 (32.0)
HTC F	10.25 (260.0)	4.00 (102.0)	2.50 (63.5)	.75 (19.0)	3.375 (86.0)	9.250 (235.0)	1.250 (32.0)
HTD G	11.00 (279.5)	4.57 (114.0)	2.75 (70.0)	.57 (14.5)	4.125 (104.6)	7.500 (190.5)	1.250 (32.0)

WEIGHT:

MODEL	LBS
HSB	2.43
HSC	4.0
HSN	7.28
HSD	7.5
HDA	2.21
HDB	4.41
HDC	7.5
HTC	5.07
HTD	8.82

NOTE:
1. DIMENSIONS ARE IN INCHES EXCEPT DIMENSIONS () ARE IN MM.
2. .188 (4.8) HOLES FOR CUSTOMER MOUNTING.

