

BIAS POWER Low Power AC-DC Switching Power Supplies



RoHS Compliant This product is RoHS compliant.

BPH/BPS/BPW SERIES MICRO SIZED AC TO DC SWITCH MODE POWER SUPPLY

Features:

- 0.5-2W models
- As small as 1" x 7/8" x 1/2"
- Ready to apply, one package solution for standby, low power
- Simplifies designing for "green power" compliance
- Up to 75% efficiency
- Patented design requires no EMI filtering
- Universal input from (100-375 VAC, 85-265 VAC or 90-308 VAC depending on product)
- Low no-load power consumption - less than 30mW
- Constant power - not current limit
- 3,000 VAC of isolation
- Meets FCC Part 15 Class B with no external filtering needed



BPH Series - 100-375VAC Input (50/60 Hz), -30°C to 70°C Operating Temperature

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bias Power Part No.	Output Power (W)	Output Voltage (Vo)	Output Current (Io)	Output Voltage (Vr)	Output Current (Ir)	Price Each			
							1	10	20	50
(L x W x H) 1.10" x 0.92" x 0.55" / 27.94mm x 23.24mm x 13.97mm										
907-BPH-0.5-08-00	BPH-0.5-08-00	0.5	8VDC	.063A	-	-	18.60	16.37	14.83	13.03
907-BPH-0.5-08-50	BPH-0.5-08-50	0.5	8VDC	.063A	5VDC	.063A	19.83	17.46	15.81	13.89
907-BPH-0.5-14-00	BPH-0.5-14-00	0.5	14VDC	.036A	-	-	18.60	16.37	14.83	13.03
907-BPH-0.5-14-50	BPH-0.5-14-50	0.5	14VDC	.036A	5VDC	.028A	19.83	17.46	15.81	13.89
907-BPH1-08-00	BPH1-08-00	1.0	8VDC	125mA	-	-	15.64	14.08	13.34	12.61
907-BPH1-08-33	BPH1-08-33	1.0	8VDC	≤125mA	3.3VDC	53mA max	16.62	14.97	14.19	13.41
907-BPH1-08-50	BPH1-08-50	1.0	8VDC	≤125mA	5VDC	83mA max	16.62	14.97	14.19	13.41
907-BPH1-14-00	BPH1-14-00	1.0	14VDC	71mA	-	-	15.64	14.08	13.34	12.61
907-BPH1-14-33	BPH1-14-33	1.0	14VDC	≤71mA	3.3VDC	23mA max	16.62	14.97	14.19	13.41
907-BPH1-14-50	BPH1-14-50	1.0	14VDC	≤71mA	5VDC	28mA max	16.62	14.97	14.19	13.41

BPS Series - 85-265VAC Input (50/60Hz), -30°C to 70°C Operating Temperature

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bias Power Part No.	Output Power (W)	Output Voltage (Vo)	Output Current (Io)	Output Voltage (Vr)	Output Current (Ir)	Price Each			
							1	10	20	50
(L x W x H) 1.03" x 0.89" x 0.53" / 26.2mm x 22.6mm x 13.5mm										
907-BPS0.5-08-50	BPS 0.5-08-50	0.5	8VDC	0.062A	5VDC	0.062A	16.13	14.19	12.90	11.29
907-BPS0.5-14-50	BPS 0.5-14-50	0.5	14VDC	0.035A	5VDC	0.028A	16.13	14.19	12.90	11.29
907-BPS1-08-33	BPS 1-08-33	1.0	8VDC	0.125A	3.3VDC	0.053A	17.38	15.29	13.90	12.16
907-BPS1-08-50	BPS 1-08-50	1.0	8VDC	0.125A	5VDC	0.100A	17.38	15.29	13.90	12.16
907-BPS1-14-33	BPS 1-14-33	1.0	14VDC	0.066A	3.3VDC	0.066A	17.38	15.29	13.90	12.16
(L x W x H) 1.35" x 1.09" x 0.57" / 34.29mm x 27.79mm x 14.61mm										
907-BPS2-08-00	BPS 2-08-00	2.0	8VDC	0.250A	-	-	18.63	16.39	14.90	13.04
907-BPS2-08-33	BPS 2-08-33	2.0	8VDC	0.250A	3.3VDC	0.053A	19.88	17.49	15.90	13.91
907-BPS2-08-50	BPS 2-08-50	2.0	8VDC	0.250A	5VDC	0.100A	19.88	17.49	15.90	13.91
907-BPS2-14-50	BPS 2-14-50	2.0	14VDC	0.143A	5VDC	0.028A	19.88	17.49	15.90	13.91

BPSX Series - 85-265VAC Input (50/60Hz), -40°C to 85°C Operating Temperature

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bias Power Part No.	Output Power (W)	Output Voltage (Vo)	Output Current (Io)	Output Voltage (Vr)	Output Current (Ir)	Price Each			
							1	10	20	50
(L x W x H) 1.35" x 1.09" x 0.57" / 34.29mm x 27.79mm x 14.61mm										
907-BPSX0.5-08-50	BPSX 0.5-08-50	0.5	8VDC	0.063A	5VDC	0.083A	18.63	16.39	14.90	13.04
907-BPSX0.5-14-50	BPSX 0.5-14-50	0.5	14VDC	0.036A	5VDC	0.028A	18.63	16.39	14.90	13.04
907-BPSX1-08-33	BPSX 1-08-33	1.0	8VDC	0.125A	3.3VDC	0.053A	19.88	17.49	15.90	13.91
907-BPSX1-08-50	BPSX 1-08-50	1.0	8VDC	0.125A	5VDC	0.083A	19.88	17.49	15.90	13.91
907-BPSX1-14-50	BPSX 1-14-50	1.0	14	0.071A	-	-	19.88	17.49	15.90	13.91
907-BPSX2-08-33	BPSX 2-08-33	2	8VDC	0.250A	3.3VDC	0.053A	22.38	19.69	17.90	15.66
907-BPSX2-08-50	BPSX 2-08-50	2	8VDC	0.250A	5VDC	0.083A	22.38	19.69	17.90	15.66
907-BPSX2-14-50	BPSX 2-14-50	2	14VDC	0.143A	5VDC	0.028A	22.38	19.69	17.90	15.66

BPW Series - 90-308VAC Input (50/60Hz), -30°C to 70°C Operating Temperature

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bias Power Part No.	Output Power (W)	Output Voltage (Vo)	Output Current (Io)	Output Voltage (Vr)	Output Current (Ir)	Price Each			
							1	10	20	50
(L x W x H) 1.03" x 0.89" x 0.53" / 26.2mm x 22.6mm x 13.5mm										
907-BPW0.5-08-50	BPW 0.5-08-50	0.5	8VDC	0.058A	5VDC	0.058A	16.13	14.19	12.90	11.29
907-BPW0.5-14-50	BPW 0.5-14-50	0.5	14VDC	0.033A	5VDC	0.033A	16.13	14.19	12.90	11.29
907-BPW1-08-50	BPW 1-08-50	1	8VDC	0.116A	5VDC	0.1A	17.38	15.29	13.90	12.16
907-BPW1-14-50	BPW 1-14-50	1	14VDC	0.066A	5VDC	0.066A	17.38	15.29	13.90	12.16
(L x W x H) 1.35" x 1.09" x 0.57" / 34.29mm x 27.79mm x 14.61mm										
907-BPW2-08-50	BPW 2-08-50	2	8VDC	0.250A	5VDC	0.100A	19.88	17.49	15.90	13.91
907-BPW2-14-50	BPW 2-14-50	2	14VDC	0.032A	5VDC	0.1A	19.88	17.49	15.90	13.91

BPWX Series - 90-308VAC Input (50/60Hz), -40°C to 85°C Operating Temperature

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bias Power Part No.	Output Power (W)	Output Voltage (Vo)	Output Current (Io)	Output Voltage (Vr)	Output Current (Ir)	Price Each			
							1	10	20	50
(L x W x H) 1.03" x 0.89" x 0.53" / 26.2mm x 22.6mm x 13.5mm										
907-BPWX0.5-08-50	BPWX 0.5-08-50	0.5	8VDC	0.058A	5VDC	0.058A	18.63	16.39	14.90	13.04
907-BPWX0.5-14-50	BPWX 0.5-14-50	0.5	14VDC	0.033A	5VDC	0.026A	18.63	16.39	14.90	13.04
907-BPWX1-08-50	BPWX 1-08-50	1	8VDC	0.116A	5VDC	0.077A	19.88	17.49	15.90	13.91
907-BPWX1-14-50	BPWX 1-14-50	1	14VDC	0.066A	5VDC	0.066A	19.88	17.49	15.90	13.91
(L x W x H) 1.35" x 1.09" x 0.58" / 34.3mm x 27.7mm x 14.7mm										
907-BPWX2-08-50	BPWX 2-08-50	2	8VDC	0.231A	5VDC	0.231A	22.38	19.69	17.90	15.66
907-BPWX2-14-50	BPWX 2-14-50	2	14VDC	0.132A	5VDC	0.077A	22.38	19.69	17.90	15.66

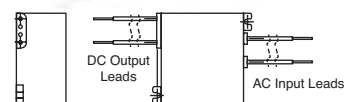
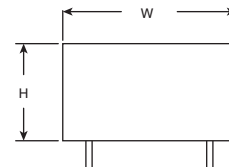
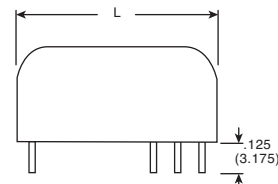
UNIVERSAL IN/OUT LED DRIVER POWER SUPPLIES

- BIAS Adaptive Output Voltage Control, AOVC™ technology (patent pending) provides the broadest range of applications with the fewest driver SKUs and 70%+ efficiency across all string lengths
- AC line or DC load switching without overshoot on startup
- Universal Input (100-308 VAC, 50/60Hz)
- Universal Output with AOVC™ (3-12VDC @350mA)

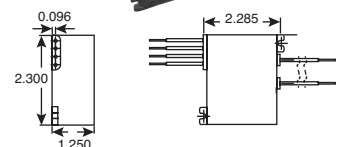


MOUSER STOCK NO.	Bias Power Part No.	Output Power (W)	Output Voltage (Vo)	Output Current (Io)	Dimming	Price Each			
						1	10	20	50
907-BPWXL4-12U-035	BPWXL4-12U-035	4	12VDC	350mA	-	35.94	31.63	28.78	25.17
907-BPWXL4-12U-035	BPWXL4-12U-035	4	12VDC	350mA	0 to 10VDC, Vd	41.92	36.90	33.58	29.37
907-BPWXL4-42U-009	BPWXL4-42U-009	4	42VDC	90mA	0 to 10VDC, Vd	55.20	52.72	47.75	41.95
907-BPWXL4-50U-008	BPWXL4-50U-008	4	50VDC	80mA	0 to 10VDC, Vd	25.64	22.67	20.54	18.04
907-BPWXL6-9U-070	BPWXL6-9U-070	6	9VDC	700mA	-	41.92	36.90	33.58	29.39
907-BPWXL6-9U-070	BPWXL6-9U-070	6	9VDC	700mA	0 to 10VDC, Vd	47.91	42.17	38.38	33.58
907-BPWXL6-21U-035	BPWXL6-21U-035	6	21VDC	350mA	-	41.92	36.90	33.58	29.39
907-BPWXL6-21U-035	BPWXL6-21U-035	6	21VDC	350mA	0 to 10VDC, Vd	47.91	42.17	38.38	33.58
907-BPWXL6-42U-014	BPWXL6-42U-014	6	42VDC	140mA	0 to 10VDC, Vd	35.28	33.69	30.52	26.81
907-BPWXL6-50U-012	BPWXL6-50U-012	6	50VDC	120mA	0 to 10VDC, Vd	33.07	29.24	26.49	23.27
907-BPWXL10-14U-070	BPWXL10-14U-070	10	14VDC	700mA	0 to 10VDC, Vd	38.10	33.69	30.52	26.81
907-BPWXL10-32U-035	BPWXL10-32U-035	10	32VDC	350mA	-	53.90	47.44	43.17	37.76
907-BPWXL10-32U-035	BPWXL10-32U-035	10	32VDC	350mA	0 to 10VDC, Vd	59.89	52.72	47.97	41.95
907-BPWXL10-42U-024	BPWXL10-42U-024	10	42VDC	240mA	-	53.90	47.44	43.17	37.76
907-BPWXL10-42U-024	BPWXL10-42U-024	10	42VDC	240mA	0 to 10VDC, Vd	59.89	52.72	47.97	41.95
907-BPWXL10-50U-020	BPWXL10-50U-020	10	50VDC	200mA	0 to 10VDC, Vd	38.10	33.69	30.52	26.81

DIMENSIONS: In. (mm)



BPWXL Series



BPWXL Series