

- 5 Watt to 30 Watts Output Power
- Single, Dual and Triple Outputs
- Universal 85VAC to 265VAC Input
- 5VDC to 24VDC Outputs
- 3,000VAC Input to Output Isolation
- Industry-Standard PCB Mount

ECONOMOD Series



MODEL SELECTIONS

As Small As 2.17"L x 1.77"W x 0.81"H

Output Voltage	Output Amps/Watts	Size, (inches)	Model Number	Price 1	Price 25
SINGLE OUTPUT					
5 VDC	1/5W	2.17 x 1.77 x 0.81	APC-5S	\$51	\$41
	2/10W	2.56 x 1.77 x 0.81	ATC-5S	\$62	\$51
	3/15W	2.91 x 2.13 x 0.87	ANC-5S	\$72	\$62
	6/30W	3.50 x 2.50 x 0.98	ASC-5S	\$93	\$83
12 VDC	0.42/5W	2.17 x 1.77 x 0.81	APC-12S	\$51	\$41
	0.83/10W	2.56 x 1.77 x 0.81	ATC-12S	\$62	\$51
	1.25/15W	2.91 x 2.13 x 0.87	ANC-12S	\$72	\$62
	2.5/30W	3.50 x 2.50 x 0.98	ASC-12S	\$93	\$83
15 VDC	0.33/5W	2.17 x 1.77 x 0.81	APC-15S	\$51	\$41
	0.67/10W	2.56 x 1.77 x 0.81	ATC-15S	\$62	\$51
	1/15W	2.91 x 2.13 x 0.87	ANC-15S	\$72	\$62
	2/30W	3.50 x 2.50 x 0.98	ASC-15S	\$93	\$83
24 VDC	0.20/5W	2.17 x 1.77 x 0.81	APC-24S	\$51	\$41
	0.42/10W	2.56 x 1.77 x 0.81	ATC-24S	\$62	\$51
	0.63/15W	2.91 x 2.13 x 0.87	ANC-24S	\$72	\$62
	1.25/30W	3.50 x 2.50 x 0.98	ASC-24S	\$93	\$83
DUAL OUTPUT					
+/-5 VDC	+/-0.5/5W	2.17 x 1.77 x 0.81	APC-5D	\$57	\$46
	+/-0.8/10W	2.56 x 1.77 x 0.81	ATC-5D	\$67	\$57
	+/-1.5/15W	2.91 x 2.13 x 0.87	ANC-5D	\$78	\$67
	+/-3/30W	3.50 x 2.50 x 0.98	ASC-5D	\$99	\$88
+/-12 VDC	+/-0.20/5W	2.17 x 1.77 x 0.81	APC-12D	\$57	\$46
	+/-0.38/10W	2.56 x 1.77 x 0.81	ATC-12D	\$67	\$57
	+/-0.65/15W	2.91 x 2.13 x 0.87	ANC-12D	\$78	\$67
	+/-1.3/30W	3.50 x 2.50 x 0.98	ASC-12D	\$99	\$88
+/-15 VDC	+/-0.16/5W	2.17 x 1.77 x 0.81	APC-15D	\$57	\$46
	+/-0.30/10W	2.56 x 1.77 x 0.81	ATC-15D	\$67	\$57
	+/-0.50/15W	2.91 x 2.13 x 0.87	ANC-15D	\$78	\$67
	+/-1/30W	3.50 x 2.50 x 0.98	ASC-15D	\$99	\$88
TRIPLE OUTPUT					
+5,+/-12 VDC	3,0.63/0.63/30W	3.50 x 2.50 x 0.98	ASC-5S12D	\$120	\$109
+5,+/-15 VDC	3,0.5/0.5/30W	3.50 x 2.50 x 0.98	ASC-5S15D	\$120	\$109

PriceBuster



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or
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any

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volume
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All specifications are typical at nominal input, full load, and 25DegC unless otherwise noted

Ultraminiature **LOW COST** Modular Switching Power Supplies **ECONOMOD Series**

INPUT SPECIFICATIONS

Input Voltage, Nominal	85-265VAC Nominal: 100-240VAC
Input Frequency	47-440 Hz, 50-60Hz Nom.
Inrush Current	20A @ 100VAC, typ 40A @ 200VAC, typ

OUTPUT SPECIFICATIONS

Output Voltage/Current	See Specific Model
Initial Accuracy	+/-1%, typ.
Load Regulation	+/-3%, typ
Line Regulation	+/-3%, typ
Temperature Coefficient	+/-0.03%/DegC
Ripple/Noise(20Mhz BW)	50mV Pk-Pk, typ
Overvoltage Protection	Clamp, 130-150% *
Hold Up Time	20mS, typ
Short Circuit Protection	Continuous, self-recovering*
Current Limit	130% typ, Self-Reset Foldback

* These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long term reliability. Proper operation under conditions other than the standard operating conditions is neither warranted or implied.

GENERAL SPECIFICATIONS

Input-Out Isolation	3000VAC
Operating Frequency	140 Khz, fixed
Efficiency (@ Full Load)	75 - 80%, typ
Safety	UL / TUV / CE EN60950, IEC950, TUV File # R9839008 UL 1950, File # E167432

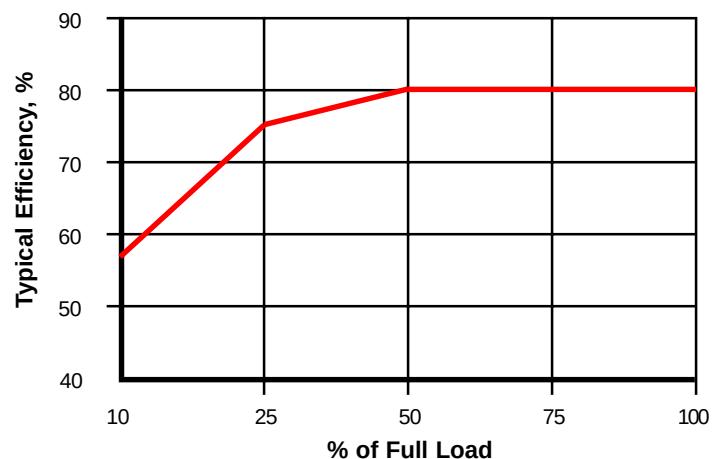
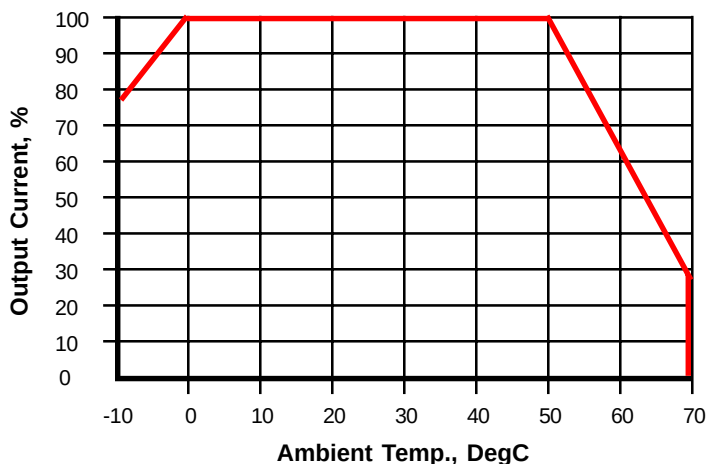
ENVIRONMENTAL SPECIFICATIONS

Oper. Temperature	0 to +50 Deg C (Free-air Convection)
Relative Humidity	0-95%, Non-Condensing
Storage Temperature	-25 to +71 DegC *
MTBF	100,000 Hrs Mil Std 217, 25C

PHYSICAL SPECIFICATIONS

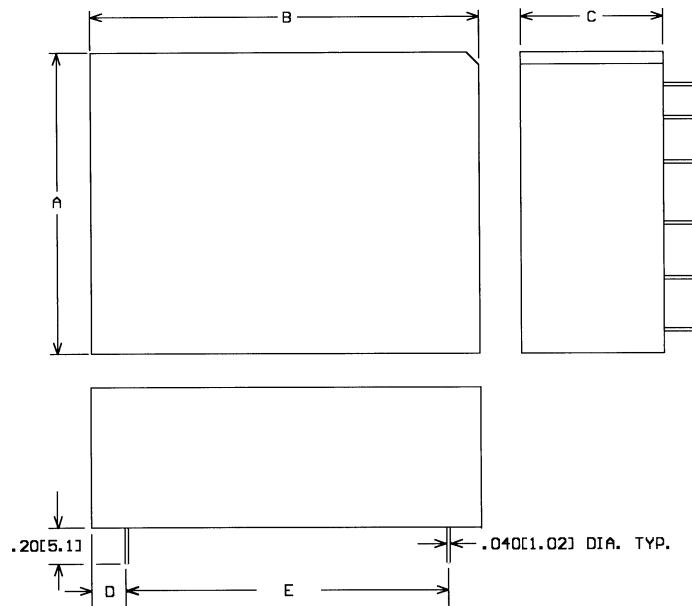
Case Material	Rynite, 94V-0 Rated
Construction	Encapsulated, Hard Pot
Weight	5W Models: 3.8oz 10W Models: 4.2oz 15 W Models: 5.2oz 30 W Models: 6.4oz

PERFORMANCE CURVES



Astrodyne products are not authorized or warranted for use as critical components in life support systems, equipment used in hazardous environments, nuclear controls systems, or other mission-critical applications.

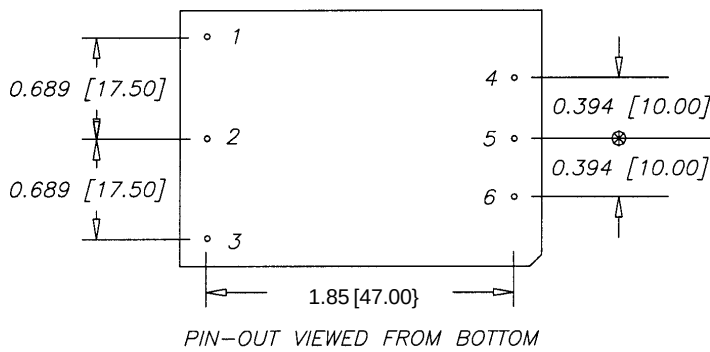
MECHANICAL DIMENSIONS



SERIES	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E
5W SERIES ALL	1.77[45.0]	2.17[55.0]	0.81[20.5]	0.16[4.0]	1.85[47.00]
10W SERIES ALL	1.77[45.0]	2.52[64.0]	0.81[20.5]	0.16[4.0]	2.126[54.00]
15W SERIES ALL	2.13[54.0]	2.91[74.0]	0.87[22.0]	0.24[6.0]	2.441[62.00]
30W SERIES ALL	2.50[63.5]	3.50[89.0]	0.98[25.0]	0.15[3.81]	3.2[81.28]

DIMENSIONS ARE IN INCH[MM]
TOLERANCES: .XX $\pm$.02 [0.50]
.XXX $\pm$.01 [0.25]

5 Watt APC Model Pinout

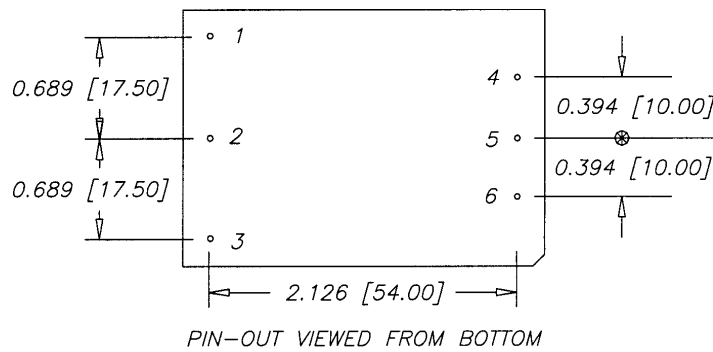


Output Type/Pin#

1 2 3 4 5 6

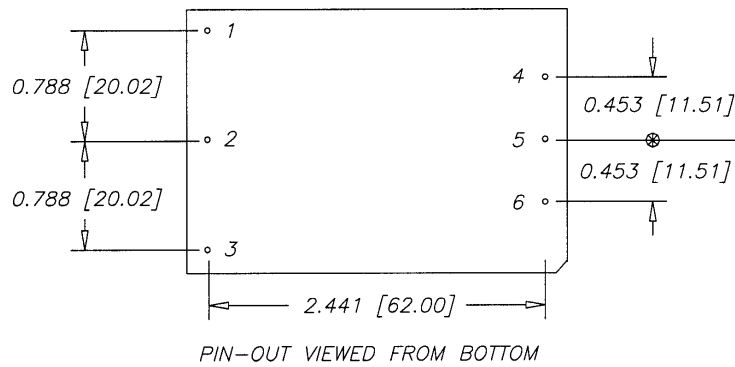
Single	AC HI	AC LO	GND	+Vout	No Pin	-Vout
Dual	AC HI	AC LO	GND	+Vout	Com	-Vout

10 Watt ATC Model Pinout



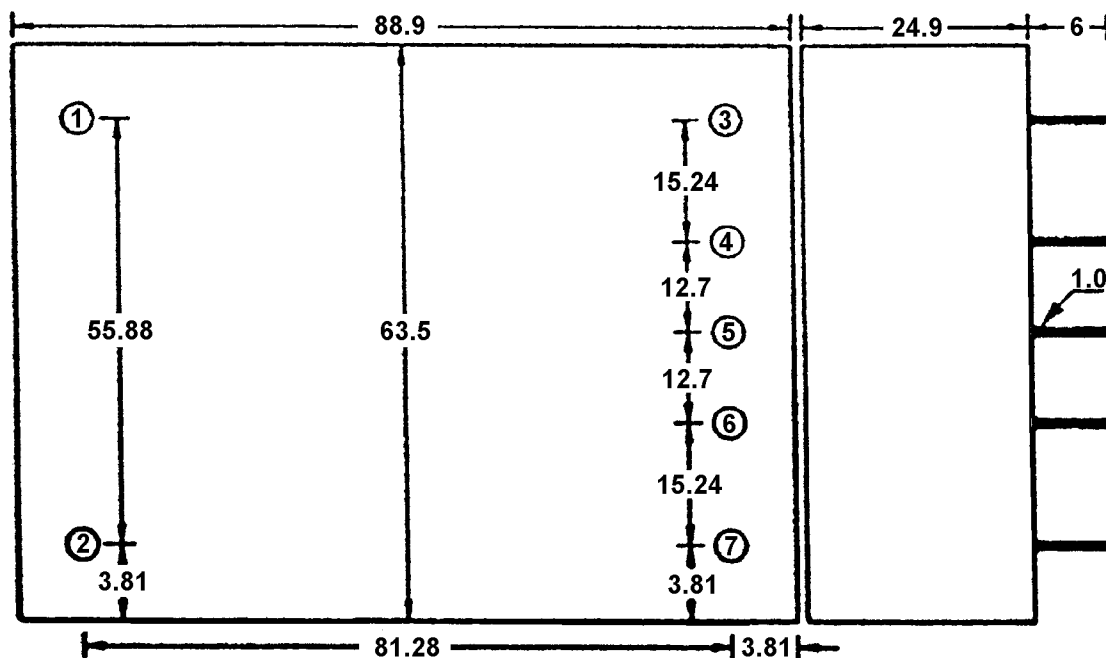
Output Type/Pin#	1	2	3	4	5	6
Single	AC HI	AC LO	GND	+Vout	No Pin	-Vout
Dual	AC HI	AC LO	GND	+Vout	Com	-Vout

15 Watt ANC Model Pinout



Output Type/Pin#	1	2	3	4	5	6
Single	AC HI	AC LO	GND	+Vout	No Pin	-Vout
Dual	AC HI	AC LO	GND	+Vout	Com	-Vout

30 Watt ASC Model Pinout and Dimension



PIN-OUT VIEWED FROM TOP.

Output Type/Pin#	1	2	3	4	5	6	7
Single	AC LO	AC HI	+Vout	No Pin	-Vout	No Pin	No Pin
Dual	AC LO	AC HI	+Vout	No Pin	Com	No Pin	-Vout
Triple	AC LO	AC HI	+Vout	+5V	Com	5Vrtn	-Vout