



Unit measures 0.8"W x 1.25"L x 0.4"H

- 24-Pin DIP Package
- 5 Volt Input
- 500 or 1500V Isolation
- Short Circuit Protection
- High Efficiency
- Input PI Filter



Model Number	Output Voltage	Output mAmps	Input Range	Efficiency
SINGLE OUTPUT				
ASD35-5S3(H or M)*	3.3 VDC	600	4.5-6.0 VDC	64.00%
ASD35-5S5(H or M)*	5 VDC	600	4.5-6.0 VDC	70.00%
ASD35-5S12(H or M)*	12 VDC	250	4.5-6.0 VDC	75.00%
ASD35-5S15(H or M)*	15 VDC	200	4.5-6.0 VDC	75.00%
DUAL OUTPUT				
ASD35-5D5(H or M)*	+/-5 VDC	+/-300	4.5-6.0 VDC	70.00%
ASD35-5D12(H or M)*	+/-12 VDC	+/-125	4.5-6.0 VDC	75.00%
ASD35-5D15(H or M)*	+/-15 VDC	+/-100	4.5-6.0 VDC	75.00%

* Specifying "H" or "M" designates a choice of Pinouts (Please see Mechanical Specifications) and a choice of 500VDC Isolation ("M" Version) or 1500VDC Isolation ("H" Version).



5V Input 3 WATT Modular DC/DC Converters

ASD35 series

INPUT SPECIFICATIONS

Input Voltage Nominal	5 VDC
Input Voltage Range:	4.5-6.0 VDC
Input Filter	PI Type

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Chart	
Load Regulation	Single (10% to FL)	+/- 0.5%
	Dual (25% to FL)	+/-1%
Line Regulation	(HL-LL)	+/- 0.5%
Temperature Coefficient	+/-0.05%/°C	
Ripple/Noise(Single/Dual)	3.3V/5V	100mVp-p max.
	12V/15V	1% p-p max.
Voltage Accuracy	+/- 2%	
Voltage Balance	(Dual)	+/- 1%
Short Circuit Protection	Continuous	
Efficiency	See Selection Chart	

GENERAL SPECIFICATIONS

Input-Output Isolation	500VDC ("M" Versions)
	1500VDC ("H" Versions)
Isolation Resistance	10-9nth Ohm min.
Switching Frequency	100Khz
Safety	UL60950 - "H" Versions Only

ENVIRONMENTAL SPECIFICATIONS

Oper. Temperature	-25 to +71°C	
Case Temperature	100°C max.	
Storage Temperature	-40 to +100°C *	
Cooling	Free Air Convection	
MTBF	Single O/P	1,249,000 Hrs.
	Dual O/P	1,186,000 Hrs.
	MIL-HDBK-217F	
	Ground Benign, 25°C	

PHYSICAL SPECIFICATIONS

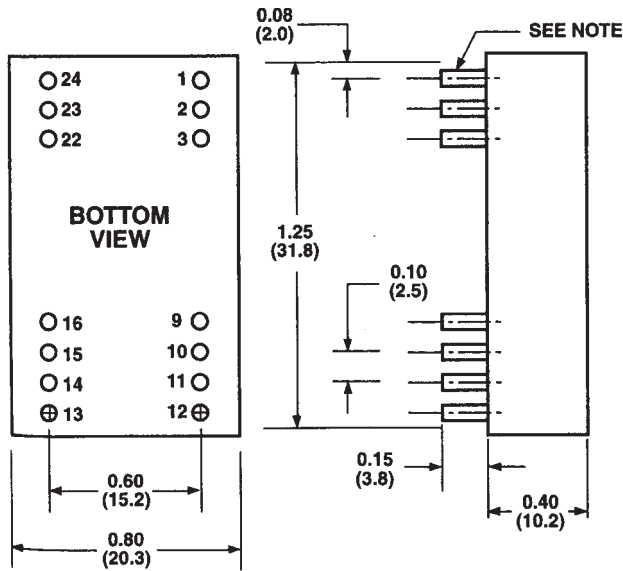
Case Material	Black coated Copper
	w. Non-conductive base
Construction	Fully Encapsulated
Weight	0.5 oz, (13g)
Dimensions	1.25"x0.8"x0.4"

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

* 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 nor implied.

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



NOTE: Pin Size is 0.02" Inch (0.5mm) DIA
 All Dimensions In Inches (mm)
 Tolerance .xx = +/-0.02, .xxx = +/- 0.010

Pin #	"M" Version		"H" Version	
	Single	Dual	Single	Dual
1	+Input	+Input	No Pin	No Pin
2	NC	-Output	-Input	-Input
3	NC	Common	-Input	-Input
9	No Pin	No Pin	NC	Common
10	-Output	Common	NC	NC
11	+Output	+Output	NC	-Output
12	-Input	-Input	No Pin	No Pin
13	-Input	-Input	No Pin	No Pin
14	+Output	+Output	+Output	+Output
15	-Output	Common	NC	NC
16	No Pin	No Pin	-Output	Common
22	NC	Common	+Input	+Input
23	NC	-Output	+Input	+Input
24	+Input	+Input	No Pin	No Pin

NC = No Connection with Pin