

- Low Ripple and Noise
- PI Input Filter
- Regulated Outputs
- 500V Isolation
- Full EMI Shielding
- Standard Pinouts

DR1P5 Series



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

MODEL SELECTIONS

Output Voltage	Output mAmps	Input Range	Model Number	Price 1	Price 25
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SINGLE OUTPUT

5 VDC	300	4.5-5.5 VDC	DR1P5-05S05	\$19	\$17
	300	10.8-13.2 VDC	DR1P5-12S05	\$19	\$17
	300	21.6-26.4 VDC	DR1P5-24S05	\$19	\$17
12 VDC	125	4.5-5.5 VDC	DR1P5-05S12	\$19	\$17
	125	10.8-13.2 VDC	DR1P5-12S12	\$19	\$17
	125	21.6-26.4 VDC	DR1P5-24S12	\$19	\$17
15 VDC	100	4.5-5.5 VDC	DR1P5-05S15	\$19	\$17
	100	10.8-13.2 VDC	DR1P5-12S15	\$19	\$17
	100	21.6-26.4 VDC	DR1P5-24S15	\$19	\$17

**Contact
Factory
for
High Volume
Pricing**

DUAL OUTPUT

+/-5 VDC	+/-150	4.5-5.5 VDC	DR1P5-05D05	\$21	\$19
	+/-150	10.8-13.2 VDC	DR1P5-12D05	\$21	\$19
	+/-150	21.6-26.4 VDC	DR1P5-24D05	\$21	\$19
+/-12 VDC	+/-60	4.5-5.5 VDC	DR1P5-05D12	\$21	\$19
	+/-60	10.8-13.2 VDC	DR1P5-12D12	\$21	\$19
	+/-60	21.6-26.4 VDC	DR1P5-24D12	\$21	\$19
+/-15 VDC	+/-50	4.5-5.5 VDC	DR1P5-05D15	\$21	\$19
	+/-50	10.8-13.2 VDC	DR1P5-12D15	\$21	\$19
	+/-50	21.6-26.4 VDC	DR1P5-24D15	\$21	\$19

ASTRODYNE *CostCutter* Isolated and Regulated 1.5 Watt Modular DC/DC Converters

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

INPUT SPECIFICATIONS

Input Voltage Ranges:	
5 VDC Nominal	4.5-5.5 VDC
12 VDC Nominal	10.8-13.2 VDC
24 VDC Nominal	21.6-26.4 VDC

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Chart
Load Regulation	+/- 0.5%
20% to FL	
Line Regulation	+/- 0.3%
Temperature Coefficient	+/-0.02%/DegC
Ripple/Noise(Single/Dual)	50mV Pk-Pk, typ
Voltage Stability	+/- 4%, max
Short Circuit Protection	Short Term

GENERAL SPECIFICATIONS

Input-Out Isolation	500VDC
In/Out Capacitance	30 pF
Efficiency	52%, typ
Switching Frequency	20Khz
Isolation Resistance	10000 M Ohms

ENVIRONMENTAL SPECIFICATIONS

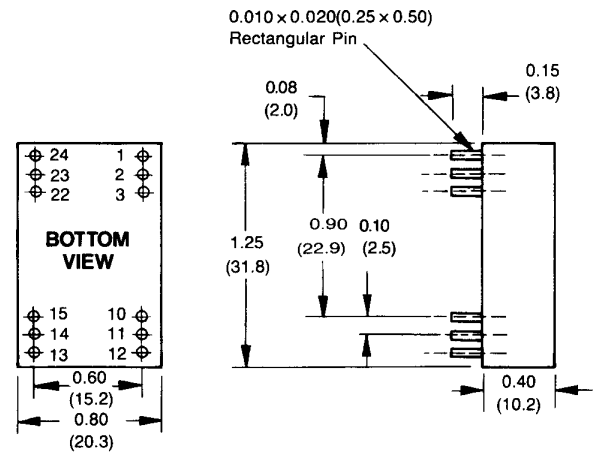
Oper. Temperature	-25 to +71 DegC(FL)
Storage Temperature	-55 to +125 DegC *
Maximum Case Temp	110 DegC *
MTBF	7460 kHrs
	MIL-HDBK-217F TA=25C (FL)

PHYSICAL SPECIFICATIONS

Case Material	Nickel-Coated Copper with Non-Conductive Base
Construction	Fully Encapsulated
Weight	0.5 oz, (14g)

* 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.

MECHANICAL DIMENSIONS



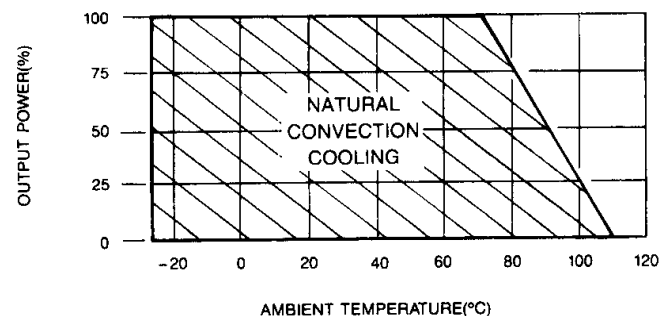
ALL DIMENSIONS IN INCHES(mm)

PIN PITCH TOLERANCE $\pm 0.35\text{mm}$

Pin #	Single Outputs	Dual Outputs
1	+ Input	+ Input
2	NC	- Output
3	NC	Common
10	- Output	Common
11	+ Output	+ Output
12	- Input	- Input
13	- Input	- Input
14	+ Output	+ Output
15	- Output	Common
22	NC	Common
23	NC	- Output
24	+ Input	+ Input

OUTPUT DERATING CURVE

OPERATING TEMPERATURE LIMITS AND OUTPUT POWER RANGE



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.