

- Low Cost
- 0.75 Watt in SIP pkg
- Unregulated Outputs
- 750VDC Isolation
- Non-Conductive Case
- Internal Filters

DUP75 Series



Unit measures 0.24"W x 0.77"L x 0.4"H

MODEL SELECTIONS

Output Voltage	Output mAmps	Input Range	Model Number	Price 1	Price 25
SINGLE OUTPUT					
5 VDC	150	4.5-5.5 VDC	DUP75-05S05	\$17	\$15
	150	10.8-13.2 VDC	DUP75-12S05	\$17	\$15
	150	13.5-16.5 VDC	DUP75-15S05	\$17	\$15
	150	21.6-26.4 VDC	DUP75-24S05	\$17	\$15
12 VDC	62	4.5-5.5 VDC	DUP75-05S12	\$17	\$15
	62	10.8-13.2 VDC	DUP75-12S12	\$17	\$15
	62	13.5-16.5 VDC	DUP75-15S12	\$17	\$15
	62	21.6-26.4 VDC	DUP75-24S12	\$17	\$15
15 VDC	50	4.5-5.5 VDC	DUP75-05S15	\$17	\$15
	50	10.8-13.2 VDC	DUP75-12S15	\$17	\$15
	50	13.5-16.5 VDC	DUP75-15S15	\$17	\$15
	50	21.6-26.4 VDC	DUP75-24S15	\$17	\$15
DUAL OUTPUT					
+/-5 VDC	+/-75	4.5-5.5 VDC	DUP75-05D05	\$19	\$17
	+/-75	10.8-13.2 VDC	DUP75-12D05	\$19	\$17
	+/-75	13.5-16.5 VDC	DUP75-15D05	\$19	\$17
	+/-75	21.6-26.4 VDC	DUP75-24D05	\$19	\$17
+/-12 VDC	+/-30	4.5-5.5 VDC	DUP75-05D12	\$19	\$17
	+/-30	10.8-13.2 VDC	DUP75-12D12	\$19	\$17
	+/-30	13.5-16.5 VDC	DUP75-15D12	\$19	\$17
	+/-30	21.6-26.4 VDC	DUP75-24D12	\$19	\$17
+/-15 VDC	+/-25	4.5-5.5 VDC	DUP75-05D15	\$19	\$17
	+/-25	10.8-13.2 VDC	DUP75-12D15	\$19	\$17
	+/-25	13.5-16.5 VDC	DUP75-15D15	\$19	\$17
	+/-25	21.6-26.4 VDC	DUP75-24D15	\$19	\$17

**Contact
Factory
for
High Volume
Pricing**

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
15 VDC Nominal	13.5-16.5 VDC
24 VDC Nominal	21.6-26.4 VDC

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Chart
Load Regulation	+/- 10% on 5V output +/- 6% on all others
10% - FL	
Line Regulation	+/- 1.2%/1% of Vin
Temperature Coefficient	+/-0.1%/DegC
Ripple/Noise(Single/Dual)	50mV Pk-Pk, typ
Voltage Stability	+/-5%, max
Short Circuit Protection	1 Second max

GENERAL SPECIFICATIONS

Input-Out Isolation	750VDC
Efficiency	78%, typ
Switching Frequency	100Khz
Isolation Resistance	10000 M Ohms

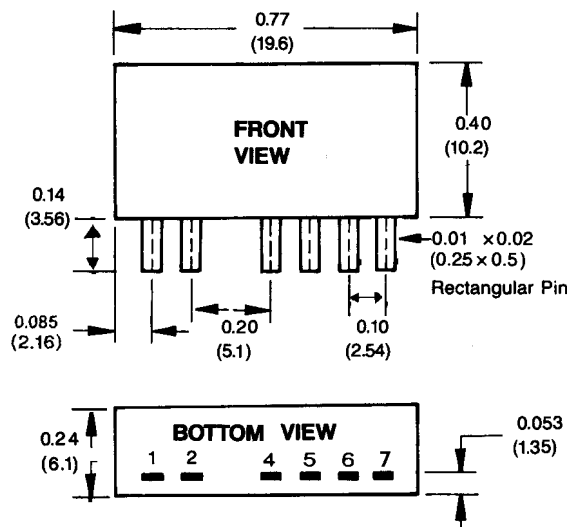
ENVIRONMENTAL SPECIFICATIONS

Oper. Temperature	-25 to +71 DegC(FL)
Storage Temperature	-55 to +125 DegC *
Maximum Case Temp	110 DegC *
MTBF	13430 kHrs
	MIL-HDBK 217F TA=25C FL

PHYSICAL SPECIFICATIONS

Case Material	Non-Conductive Black Plastic
Construction	Fully Encapsulated

MECHANICAL DIMENSIONS



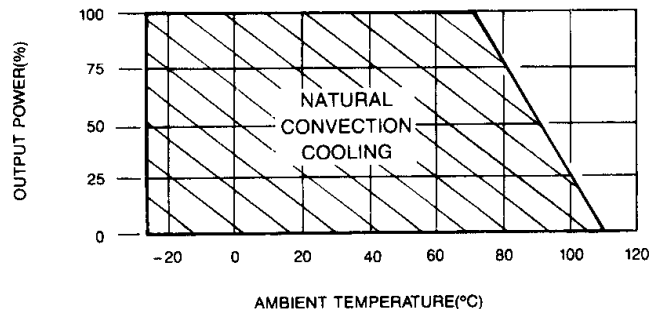
ALL DIMENSIONS IN INCHES(mm)

PIN PITCH TOLERANCE $\pm 0.25\text{mm}$

Pin #	Single Outputs	Dual Outputs
1	+ Input	+ Input
2	- Input	- Input
3	No Pin	No Pin
4	- Output	- Output
5	NC	Common
6	+ Output	+ Output
7	No Pin	No Pin

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.

* 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.