

# D /DH SERIES 5W WIDE INPUT RANGE



## FEATURES

- 5W DIL PACKAGE
- REGULATED OUTPUT
- 100% BURN IN
- HIGH EFFICIENCY
- UL 94V-0 PACKAGE MATERIAL
- CUSTOM SOLUTION BE AVAILABLE
- 3 YEARS WARRANTY



OUTPUT SPECIFICATIONS		INPUT SPECIFICATIONS		GENERAL SPECIFICATIONS	
Voltage Set-point Accuracy	+/-2% max	Input Voltage Range	2:1-4:1 Input Range	Efficiency	70% min
Temperature Coefficient	+/-0.05%/°C	Input Filter	Pi Network	Isolation Voltage	1500-3000VDC min
Ripple & Noise(20MHz BW)	100mVp-p max	Protection	Fuse Recommended	Isolation Resistance	10 <sup>9</sup> ohms min
Line Regulation	+/-0.5% max	<b>ENVIRONMENTAL SPECIFICATIONS</b>		Isolation Capacitance	120pF max
Load Regulation	+/-0.5% max	Operating Temperature	-25°C to +71°C	Switching Frequency	100KHz min
Minimum Load	10% of Full Load	Storage Temperature	-55°C to +125°C	MTBF	>670,000 Hours
Short Circuit Protection	Continuous	Cooling	Free-Air Convection	Case Material	Six-Side Shielded Case
Transient Response	200uS max	Humidity	95% max	Weight	31.2g typ.

### ● 2:1 5W OUTPUT ISOLATION 1500VDC

MODEL NUMBER	INPUT (VDC)	OUTPUT		EFF (%)	ISOLATION (VDC)
		VOLTAGE (VDC)	CURRENT (mA)		
D045-05S05	4.5-9	5	900	70	1500
D050-05S12	4.5-9	12	417	70	1500
D050-05S15	4.5-9	15	333	72	1500
D050-05D12	4.5-9	+/-12	+/-208	72	1500
D050-05D15	4.5-9	+/-15	+/-167	74	1500
D050-12S3.3	9-18	3.3	1500	70	1500
D050-12S05	9-18	5	1000	75	1500
D050-12S09	9-18	9	556	80	1500
D050-12S12	9-18	12	417	80	1500
D050-12S15	9-18	15	333	81	1500
D050-12D05	9-18	+/-5	+/-500	75	1500
D050-12D09	9-18	+/-9	+/-278	79	1500
D050-12D12	9-18	+/-12	+/-208	77	1500
D050-12D15	9-18	+/-15	+/-167	80	1500
D050-24S3.3	18-36	3.3	1500	71	1500
D050-24S05	18-36	5	1000	77	1500
D050-24S09	18-36	9	556	81	1500
D050-24S12	18-36	12	417	82	1500
D050-24S15	18-36	15	333	83	1500
D050-24S24	18-36	24	208	80	1500
D050-24D05	18-36	+/-5	+/-500	77	1500
D050-24D09	18-36	+/-9	+/-278	81	1500

D050-24D12	18-36	+/-12	+/-208	82	1500
D050-24D15	18-36	+/-15	+/-167	83	1500
D050-48S3.3	36-72	3.3	1500	77	1500
D050-48S05	36-72	5	1000	77	1500
D050-48S09	36-72	9	556	80	1500
D050-48S12	36-72	12	417	80	1500
D050-48S15	36-72	15	333	80	1500
D050-48D05	36-72	+/-5	+/-500	77	1500
D050-48D09	36-72	+/-9	+/-278	83	1500
D050-48D12	36-72	+/-12	+/-208	83	1500
D050-48D15	36-72	+/-15	+/-167	80	1500

### ● 3:1 5W OUTPUT ISOLATION 1500VDC

MODEL NUMBER	INPUT (VDC)	OUTPUT		EFF (%)	ISOLATION (VDC)
		VOLTAGE (VDC)	CURRENT (mA)		
D050-312S3.3	9-27	3.3	1500	75	1500
D050-312S05	9-27	5	1000	78	1500
D050-312S09	9-27	9	556	76	1500
D050-312S12	9-27	12	417	79	1500
D050-312S15	9-27	15	333	80	1500
D050-312D05	9-27	+/-5	+/-500	77	1500
D050-312D12	9-27	+/-12	+/-208	77	1500
D050-312D15	9-27	+/-15	+/-167	80	1500
D050-324S3.3	18-54	3.3	1500	75	1500
D050-324S05	18-54	5	1000	75	1500

D050-324S09	18-54	9	556	78	1500
D050-324S12	18-54	12	417	80	1500
D050-324S15	18-54	15	333	81	1500
D050-324D12	18-54	+/-12	+/-208	81	1500
D050-324D15	18-54	+/-15	+/-167	81	1500

● 4:1 5W OUTPUT ISOLATION 1500VDC

MODEL NUMBER	INPUT (VDC)	OUTPUT		EFF (%)	ISOLATION (VDC)
		VOLTAGE (VDC)	CURRENT (mA)		
D050-412S3.3	9-36	3.3	1500	75	1500
D050-412S05	9-36	5	1000	78	1500
D050-412S09	9-36	9	556	76	1500
D050-412S12	9-36	12	417	77	1500
D050-412S15	9-36	15	333	77	1500
D050-412D05	9-36	+/-5	+/-500	77	1500
D050-412D12	9-36	+/-12	+/-208	77	1500
D050-412D15	9-36	+/-15	+/-167	77	1500
D050-424S3.3	18-72	3.3	1500	75	1500
D050-424S05	18-72	5	1000	75	1500
D050-424S09	18-72	9	556	78	1500
D050-424S12	18-72	12	417	80	1500
D050-424S15	18-72	15	333	81	1500
D050-424D12	18-72	+/-12	+/-208	81	1500
D050-424D15	18-72	+/-15	+/-167	81	1500

● 2:1 5W OUTPUT ISOLATION 3000VDC

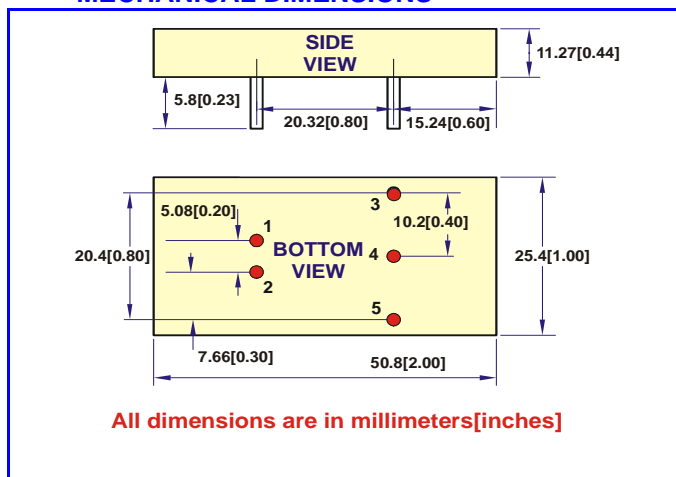
MODEL NUMBER	INPUT (VDC)	OUTPUT		EFF (%)	ISOLATION (VDC)
		VOLT. (VDC)	CURRENT (mA)		
DH050-05S12-3K	4.5-9	12	417	70	3000
DH050-05S15-3K	4.5-9	15	333	72	3000
DH050-05D15-3K	4.5-9	+/-15	+/-167	74	3000
DH050-12S3.3-3K	9-18	3.3	1500	70	3000
DH050-12S05-3K	9-18	5	1000	75	3000
DH050-12S09-3K	9-18	9	556	80	3000
DH050-12S12-3K	9-18	12	417	80	3000
DH050-12S15-3K	9-18	15	333	81	3000
DH050-12D05-3K	9-18	+/-5	+/-500	75	3000
DH050-12D09-3K	9-18	+/-9	+/-278	79	3000
DH050-12D12-3K	9-18	+/-12	+/-208	77	3000
DH050-12D15-3K	9-18	+/-15	+/-167	80	3000
DH050-24S3.3-3K	18-36	3.3	1500	71	3000
DH050-24S05-3K	18-36	5	1000	77	3000
DH050-24S09-3K	18-36	9	556	81	3000
DH050-24S12-3K	18-36	12	417	82	3000
DH050-24S15-3K	18-36	15	333	83	3000
DH050-24D05-3K	18-36	+/-5	+/-500	77	3000
DH050-24D09-3K	18-36	+/-9	+/-278	81	3000

DH050-24D12-3K	18-36	+/-12	+/-208	82	3000
DH050-24D15-3K	18-36	+/-15	+/-167	83	3000
DH050-48S3.3-3K	36-72	3.3	1500	77	3000
DH050-48S05-3K	36-72	5	1000	77	3000
DH050-48S09-3K	36-72	9	556	79	3000
DH050-48S12-3K	36-72	12	417	80	3000
DH050-48S15-3K	36-72	15	333	80	3000
DH050-48D05-3K	36-72	+/-5	+/-500	77	3000
DH050-48D09-3K	36-72	+/-9	+/-278	83	3000
DH050-48D12-3K	36-72	+/-12	+/-208	83	3000
DH050-48D15-3K	36-72	+/-15	+/-167	80	3000

● 4:1 5W OUTPUT ISOLATION 3000VDC

MODEL NUMBER	INPUT (VDC)	OUTPUT		EFF (%)	ISOLATION (VDC)
		VOLT. (VDC)	CURRENT (mA)		
DH050-412S05-3K	9-36	5	1000	78	3000
DH050-412S09-3K	9-36	9	556	76	3000
DH050-412S12-3K	9-36	12	417	79	3000
DH050-412S15-3K	9-36	15	333	80	3000
DH050-412D05-3K	9-36	+/-5	+/-500	77	3000
DH050-412D12-3K	9-36	+/-12	+/-208	77	3000
DH050-412D15-3K	9-36	+/-15	+/-167	80	3000
DH050-424S05-3K	18-72	5	1000	75	3000
DH050-424S09-3K	18-72	9	556	78	3000
DH050-424S12-3K	18-72	12	417	80	3000
DH050-424S15-3K	18-72	15	333	81	3000
DH050-424D12-3K	18-72	+/-12	+/-208	81	3000
DH050-424D15-3K	18-72	+/-15	+/-167	81	3000

● MECHANICAL DIMENSIONS



PIN	1	2	3	4	5
SINGLE	+Vin	-Vin	+Vout	NP	-Vout
DUAL	+Vin	-Vin	+Vout	Com.	-Vout