

# DC030 SERIES 3W REGULATED

## FEATURES

- DUAL IN LINE PACKAGE
- UP TO 3W REGULATED OUTPUT POWER
- NO EXTERNAL COMPONENTS REQUIRED
- 100% BURN IN
- UL 94V-0 PACKAGE MATERIAL
- 3 YEARS WARRANTY



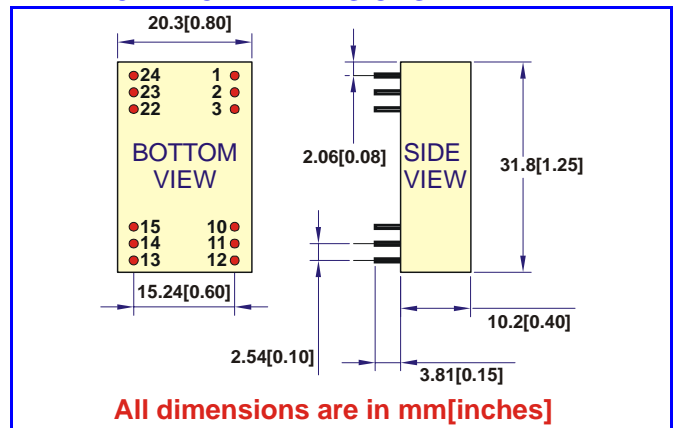
OUTPUT SPECIFICATIONS		INPUT SPECIFICATIONS		GENERAL SPECIFICATIONS	
Voltage Set-point Accuracy	+/-3% max	Input Voltage Range	+/-10% max	Efficiency	54% min
Temperature Coefficient	+/-0.05%/°C	Input Filter	Pi Network	Isolation Voltage	1500 VDC min
Ripple & Noise(20MHz BW)	100mVp-p max	Protection	Fuse Recommended	Isolation Resistance	10 <sup>9</sup> ohms min
Line Regulation	+/-1% max	<b>ENVIRONMENTAL SPECIFICATIONS</b>		Isolation Capacitance	80pF max
Load Regulation	+/-1% max	Operating Temperature	-25°C to +71°C	Switching Frequency	50KHz min
Minimum Load	10% of Full Load	Storage Temperature	-55°C to +125°C	MTBF	>850,000 Hours
Short Circuit Protection	Current Limit	Cooling	Free-Air Convection	Case Material	Non-Conductive Plastic
Short Circuit Restart	Automatic	Humidity	95% max	Or Five Sided Shield Case	

### ● 3W OUTPUT

MODEL <sup>1</sup> NUMBER	INPUT (VDC)	OUTPUT		EFF (%)	ISOLATION (VDC)
		VOLT. (VDC)	CURRENT (mA)		
DC030-05S05/M	4.5-5.5	5	600	63	1500
DC030-05S09/M	4.5-5.5	9	330	63	1500
DC030-05S12/M	4.5-5.5	12	250	65	1500
DC030-05S15/M	4.5-5.5	15	200	64	1500
DC030-05S24/M	4.5-5.5	24	125	66	1500
DC030-05D05/M	4.5-5.5	+/-5	+/-300	54	1500
DC030-05D12/M	4.5-5.5	+/-12	+/-125	65	1500
DC030-05D15/M	4.5-5.5	+/-15	+/-100	63	1500
DC030-12S05/M	10.8-13.2	5	600	61	1500
DC030-12S09/M	10.8-13.2	9	330	63	1500
DC030-12S12/M	10.8-13.2	12	250	66	1500
DC030-12S15/M	10.8-13.2	15	200	69	1500
DC030-12S24/M	10.8-13.2	24	125	69	1500
DC030-12D05/M	10.8-13.2	+/-5	+/-300	57	1500
DC030-12D12/M	10.8-13.2	+/-12	+/-125	64	1500
DC030-12D15/M	10.8-13.2	+/-15	+/-100	68	1500
DC030-24S05/M	21.6-26.4	5	600	63	1500
DC030-24S09/M	21.6-26.4	9	330	66	1500
DC030-24S12/M	21.6-26.4	12	250	69	1500
DC030-24S15/M	21.6-26.4	15	200	69	1500

DC030-24S24/M	21.6-26.4	24	125	69	1500
DC030-24D05/M	21.6-26.4	+/-5	+/-300	60	1500
DC030-24D12/M	21.6-26.4	+/-12	+/-125	64	1500
DC030-24D15/M	21.6-26.4	+/-15	+/-100	69	1500
DC030-48S05/M	43.2-52.8	5	600	63	1500
DC030-48S09/M	43.2-52.8	9	330	66	1500
DC030-48S12/M	43.2-52.8	12	250	69	1500
DC030-48S15/M	43.2-52.8	15	200	69	1500
DC030-48S24/M	43.2-52.8	24	125	69	1500
DC030-48D05/M	43.2-52.8	+/-5	+/-300	63	1500
DC030-48D12/M	43.2-52.8	+/-12	+/-125	69	1500
DC030-48D15/M	43.2-52.8	+/-15	+/-100	69	1500

### ● MECHANICAL DIMENSIONS



All dimensions are in mm[inches]

PIN	1 & 24	2 & 23	3 & 22	10 & 15	11 & 14	12 & 13
SINGLE	+Vin	NC	NC	-Vout	+Vout	-Vin
DUAL	+Vin	-Vout	Com.	Com.	+Vout	-Vin

<sup>1</sup> DC030-\*\*\*\* - Non-Conductive Plastic  
DC030-\*\*\*\*M - Five-Sided Shield Case