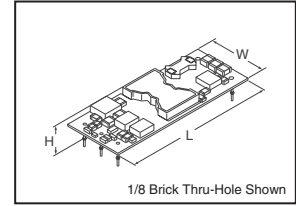




Isolated POL DC/DC Converter Bricks Industry Standard Sizes

Features: • Remote On/Off • Over Current Protection (OCP) • Short Circuit Protection (SCP) • Under Voltage Lockout (UVLO)
Electrical Specifications: • Operating Temperature: -40°C – 85°C • Remote On/Off: Active High or Low (See data sheet)

Brick Size	Mounting Type	Output Power (W)	Output Voltage (V)	Output Current (A)	Input Voltage (VDC)	Dimensions - Inch (mm)			Digi-Key Part No.	Price Each			Bel Part No.
						L	W	H		1	10	25	
1/16	SMD	60	5	12	36 – 75	1.3 (33.02)	.9 (22.86)	.364 (9.24)	507-1382-ND◆	39.50	36.54	34.57	SRSB-50T050G
1/8	Thru-Hole	140	12	12	36 – 60	2.3 (58.42)	.896 (22.76)	.41 (10.41)	507-1121-ND	42.70	39.50	37.37	07CR-12S12LG
1/8	Thru-Hole	85	3.3	25	36 – 75	2.3 (58.42)	.896 (22.76)	.395 (10.03)	507-1392-ND◆	53.50	49.49	46.82	0RCY-85T03LG



◆ RoHS Compliant

Arrowhead Series Non-Isolated POL DC/DC Converters

Electrical Specifications:
• Operating Temperature: -40°C – 85°C • Output Voltage Trim: Voltage set-point adjustment with use of a resistor (See data sheet)

Features:
• Over Current/Short Circuit Protection (OCP/SCP) **Note:** All specifications are typical at 25°C, unless otherwise noted.

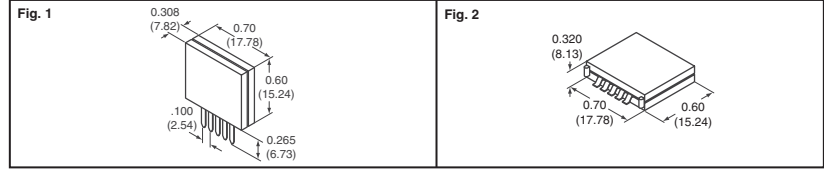


Fig.	Output Voltage (VDC)	Output Current Max. (Aout)	Input Voltage (VDC)	Features / Options			Digi-Key Part No.	Price Each			Digi-Key Part No.	Tape and Reel Pricing 200	Bel Part No.
				Remote On/Off	Input Under Voltage Lock-out (UVLO)	Over-Voltage Protection (OVP)		1	10	25			
Single Output Voltage													
1	1.8	12	3.0 – 5.5	X	X	—	507-1141-5-ND	15.30	14.16	13.39	—	—	V7AH-12F1800
2	1.8	12	3.0 – 5.5	X	X	—	507-1124-5-ND	15.30	14.16	13.39	—	—	S7AH-12F1800
1	2.5	12	3.6 – 5.5	X	X	—	507-1142-5-ND	15.30	14.16	13.39	—	—	V7AH-12F2500
1	5.0	1.5	3.0 – 3.6	—	—	X	507-1144-5-ND†	11.70	10.83	10.24	—	—	V7AH-02C50B0
1	5.0	1.5	3.0 – 3.6	—	—	X	507-1379-5-ND◆†	11.70	10.83	10.24	—	—	V7AH-02C50B0
1	12	0.8	3.0 – 3.6	—	—	X	507-1145-5-ND	12.50	11.57	10.94	—	—	V7AH-01CX200
2	12	0.8	3.0 – 3.6	—	—	X	507-1128-5-ND	12.50	11.57	10.94	—	—	S7AH-01CX200
1	15	0.6	3.0 – 3.6	—	—	X	507-1146-5-ND	12.50	11.57	10.94	—	—	V7AH-01CX500
Adjustable Output Voltage													
1	0.9 – 3.3	8	4.5 – 5.5	X	X	—	507-1148-5-ND	13.90	12.86	12.17	—	—	V7AH-08B1A00
2	0.9 – 3.3	8	4.5 – 5.5	X	X	—	507-1131-1-ND	13.90	12.86	12.17	507-1131-2-ND	2085.00	S7AH-08B1A0R
2	0.9 – 3.3	8	4.5 – 5.5	X	X	—	507-1377-1-ND◆	13.90	12.86	12.17	507-1377-2-ND◆	2085.00	SRAH-08B1A0R
1	0.9 – 3.63	2	10.8 – 13.2	X	X	—	507-1149-5-ND	6.70	6.20	5.87	—	—	V7AH-02A1A00
Wide Range Input Voltage													
2	1.2	3	4.5 – 32	X	X	—	507-1133-5-ND	13.90	12.86	12.17	—	—	S7AH-03H1200
2	1.2	3	4.5 – 32	X	X	—	507-1373-5-ND◆	13.90	12.86	12.17	—	—	SRAH-03H1200
2	2.5	3	4.5 – 32	X	X	—	507-1136-5-ND	13.90	12.86	12.17	—	—	S7AH-03H2500
2	2.5	3	4.5 – 32	X	X	—	507-1374-5-ND◆	13.90	12.86	12.17	—	—	SRAH-03H2500
1	3.3	3	4.9 – 32	X	X	—	507-1380-5-ND◆	13.90	12.86	12.17	—	—	V7AH-03H3300
2	3.3	3	4.5 – 32	X	X	—	507-1137-1-ND	13.90	12.86	12.17	507-1137-2-ND	2085.00	S7AH-03H330R
2	3.3	3	4.9 – 32	X	X	—	507-1375-1-ND◆	13.90	12.86	12.17	507-1375-2-ND◆	2085.00	SRAH-03H330R
1	5	3	8 – 32	X	X	—	507-1381-5-ND◆	13.90	12.86	12.17	—	—	V7AH-03H5000
2	5	3	8 – 32	X	X	—	507-1376-1-ND◆	13.90	12.86	12.17	507-1376-2-ND◆	2085.00	SRAH-03H500R

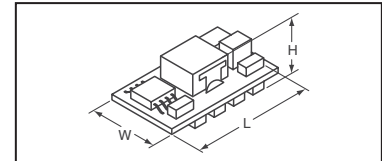
◆ RoHS Compliant † Burst/skip mode disabled

Bobcat Series Non-Isolated POL DC/DC Converters

Electrical Specifications:
• Operating Temperature: -40°C – 85°C • Output Voltage Trim: Voltage set-point adjustment with use of a resistor (See data sheet)

Features:
• Input under voltage lockout (ULVO) • Over Current/Short Circuit Protection (OCP/SCP) • Output voltage sequencing — These modules include a sequencing feature that enables users to implement various types of output voltage sequencing in an application. This is accomplished via an additional sequencing pin. When the sequencing feature is not used, tie the SEQ pin to the input voltage.

Note: All specifications are typical at 25°C, unless otherwise noted.



Output Power Max. (W)	Output Voltage (VDC)	Output Current Max. (Aout)	Input Voltage Range (VDC)	Features / Options		Dimensions Inch (mm)			Digi-Key Part No.	Price Each			Bel Part No.
				Remote Sense	Over Temp. Protection (OTP)	L	W	H		1	10	25	
15	0.75 – 5	3	8.3 – 14	—	—	0.8 (20.3)	0.45 (11.4)	0.251 (6.4)	507-1388-ND◆	8.50	7.87	7.44	SRBA-03A1A0G
30	0.75 – 5	6	4.5 – 14	—	—	0.8 (20.3)	0.45 (11.4)	0.251 (6.4)	507-1162-ND	11.70	10.83	10.24	S7BA-06E2ALG
30	0.75 – 5	6	4.5 – 14	—	—	0.8 (20.3)	0.45 (11.4)	0.251 (6.4)	507-1378-ND◆	11.70	10.83	10.24	SRBA-06E2ALG
30	0.75 – 5	6	8.3 – 14	—	X	0.8 (20.3)	0.45 (11.4)	0.251 (6.4)	507-1163-ND	11.70	10.83	10.24	S7BA-06A2ALG
33	0.75 – 5.5	6	8.3 – 14	—	—	0.8 (20.3)	0.45 (11.4)	0.251 (6.4)	507-1389-ND◆	11.70	10.83	10.24	SRBA-06A2A0G
50	0.75 – 5	10	8.3 – 14	X	X	1.3 (33.02)	0.53 (13.46)	0.315 (8)	507-1390-ND◆	15.00	13.88	13.13	SRBC-10A2A0G
80	0.75 – 5	16	8.3 – 14	X	X	1.3 (33.02)	0.53 (13.46)	0.315 (8)	507-1391-ND◆	17.90	16.56	15.67	SRBC-16A2A0G

◆ RoHS Compliant

Non-Isolated POL DC/DC Converters



Features: • Over current and short circuit protection (OCP/SCP) • Remote on/off • Power good signal (VRP1 and VRP2 series) • Auto-track sequencing (ORLB series) • Margin up/down controls (ORLB series)

Specifications: • Operating temperature range: 0°C – 70°C • Output voltage trim (See data sheet)

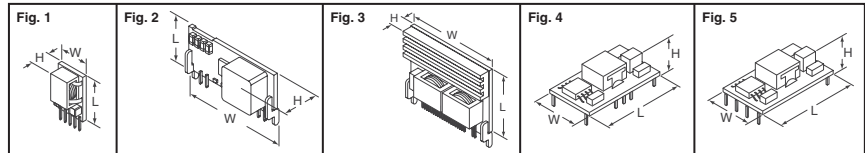


Fig.	Output Power Max. (W)	Output Voltage (VDC)	Output Current Max. (Aout)	Input Voltage (VDC)	Features / Options		Dimensions Inch (mm)			Digi-Key Part No.	Price Each			Bel Part No.
					Input Under Voltage Lockout (UVLO)	Over Voltage Protection (OVP)	L	W	H		1	10	25	
1	50	.59 – 5.1	10	4.5 – 13.8	X	—	.65 (16.51)	.41 (10.41)	.32 (8.13)	507-1384-ND	9.50	8.79	8.32	V7AE-10E1A0G
2	100	.59 – 5.1	20	4.5 – 13.8	—	X	.51 (12.94)	1.45 (36.83)	.4 (10.15)	507-1387-ND	19.70	18.23	17.24	VRP1-20E1A0G
3	200	0.6 – 5	40	5 – 13.8	—	X	1.1 (27.94)	1.45 (36.83)	.377 (9.58)	507-1383-ND	35.70	33.03	31.24	VRP2-40E1A0G
4	79	0.8 – 3.6	22	4.5 – 5.5	X	—	1.495 (37.97)	.87 (22.1)	.354 (9.00)	507-1385-ND	20.80	19.24	18.20	ORLB-22B1A0G
5	20	0.8 – 3.3	6	4.5 – 5.5	X	—	.87 (22.1)	.495 (12.57)	.354 (9.00)	507-1386-ND	14.80	13.69	12.95	ORLE-06B1A0G

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