

Non-Isolated DC-DC
BSM Series Surface-Mount POL Converters

Input Voltage (Vdc)	Output Voltage (Vdc)	Output Trim (Vdc)	Max. Output Current (A)	Efficiency (%)	Model Number
Nominal 3.3Vdc or 5Vdc Input					
3 to 5.5	0.75	0.75 to 3.63	10	94	BSM10A-3SX
3 to 5.5	0.75	0.75 to 3.63	16	94	BSM16A-3SX
3 to 5.5	0.9	0.85 to 0.99 *	10	82	BSM10A-3S0V9
3 to 5.5	1	0.9 to 1.0 *	10	84	BSM10A-3S1V0
3 to 5.5	1.2	1.1 to 1.3 *	10	86	BSM10A-3S1V2
3 to 5.5	1.5	1.4 to 1.6 *	10	88	BSM10A-3S1V5
3 to 5.5	1.8	1.7 to 1.9 *	10	90	BSM10A-3S1V8
3 to 5.5	2	1.8 to 2.2 *	10	91	BSM10A-3S2V0
3 to 5.5	2.5	2.3 to 2.7 *	10	92	BSM10A-3S2V5
4.5 to 5.5	3.3	3 to 3.6 *	10	94	BSM10A-3S3V3
Nominal 12Vdc Input					
10 to 14	0.75	0.75 to 5.5	10	93	BSM10A-12SX
10 to 14	0.75	0.75 to 5.5	16	93	BSM16A-12SX

*Notes: The standard product is without Output Trim Pin and Sense Pin except the BSM-3SX and BSM-12SX series, the Trim Pin and Sense Pin are customer specified options. Optional output trim or remote sense features can be ordered using suffix "/T", "/S" or "/TS". For example, a BSM10A-3S1V8 with output Trim is BSM10A-3S1V8/T, or with both of Trim and Sense options is BSM10A-3S1V8/TS.

BSN Series Through-Hole POL Converters

Input Voltage (Vdc)	Output Voltage (Vdc)	Output Trim (Vdc)	Max. Output Current (A)	Efficiency (%)	Model Number
Nominal 3.3Vdc or 5Vdc Input					
3 to 5.5	0.75	0.75 to 3.63	10	94	BSN10A-3SX
3 to 5.5	0.75	0.75 to 3.63	16	94	BSN16A-3SX
3 to 5.5	0.9	0.85 to 0.99	10	82	BSN10A-3S0V9
3 to 5.5	1	0.9 to 1.0	10	83	BSN10A-3S1V0
3 to 5.5	1.2	1.1 to 1.3	10	84	BSN10A-3S1V2
3 to 5.5	1.5	1.26 to 1.74	6	81	BSN6A-4S1V5
3 to 5.5	1.5	1.4 to 1.6	10	86	BSN10A-3S1V5
3 to 5.5	1.5	1.4 to 1.6	12	89	BSN12A-5S1V5/S
3 to 5.5	1.8	1.51 to 2.09	6	83	BSN6A-4S1V8
3 to 5.5	1.8	1.7 to 1.9	10	88	BSN10A-3S1V8
3 to 5.5	2	1.8 to 2.2	10	89	BSN10A-3S2V0
3 to 5.5	2.5	2.3 to 2.7	10	90	BSN10A-3S2V5
4.5 to 5.5	3.3	3 to 3.6	10	93	BSN10A-3S3V3
Nominal 12Vdc Input					
10 to 14	0.75	0.75 to 5.5	10	93	BSN10A-12SX
10 to 14	0.75	0.75 to 5.5	16	93	BSN16A-12SX
10 to 14	1.5	0.75 to 5.5	12	87	BSN12A-12S1V5
10 to 14	1.5	0.75 to 5.5	16	85	BSN16A-12S1V5
10 to 14	3.3	0.75 to 5.5	12	92	BSN12A-12S3V3
10 to 14	3.3	0.75 to 5.5	16	91	BSN16A-12S3V3

Notes: For right-angle pins, add suffix "/B" to model number.



BSM10A-3SX
BSM16A-3SX

1.3 × 0.53 × 0.33 inch
33 × 13.5 × 8.3 mm



BSM10A-3S

1.3 × 0.53 × 0.34 inch
33 × 13.5 × 8.7 mm



BSM10A-12SX
BSM16A-12SX

1.3 × 0.53 × 0.33 inch
33 × 13.5 × 8.3 mm



BSN10A-3SX
BSN16A-3SX

2.0 × 0.5 × 0.3 inch
50.8 × 12.7 × 8.1 mm

BSN6A-4S

2.0 × 0.5 × 0.33 inch
50.8 × 12.7 × 8.3 mm