

DC-DC CONVERTERS

0.2W-0.3W

Package A T-57-11

The Xentek SIP/SMT Power Pack line of pc-board mounted DC-DC Converters gives you the power you need to make the most of your system design.

These all new surface-mount (SMT) and single-in-line (SIP) packages are the industry's smallest. They're available off-the-shelf in 46 popular models with power ratings from 0.2W to 5.0W.

Choose from battery input, voltage boosting, inverting and dual-output isolated configurations.

FEATURES

- * Surface-Mount (SMT) and SIP Configurations
- * Largest Selection in Lower Voltage (2 to 5Vdc) Inputs
- * 1,000,000 Hr MTBF
- * Industry's Smallest
- * Isolated and Non-Isolated Models
- * 9 Standard SMT Models
- * 37 Standard SIP Models

APPLICATIONS

- * Laptop Displays
- * RS232C Ports
- * LAN Cards
- * Modems
- * Automotive
- * Medical Instruments
- * Cellular/Portable Phones
- * Security/Alarms
- * Hand-held Instruments
- * Pagers
- * Multimeters

MODEL SELECTION CHART

MODEL	INPUT VDC	OUTPUT VDC	MA	REGULATION (%)		STABILITY %/°C	EFF %	PACKAGE
				LINE	LOAD			
NON-ISOLATED BATTERY INPUT								
BPSA-0205S	2.0-3.5	+5	40	±1.5	±1.5	0.1	50	A1
BNSA-0205S	2.0-3.5	-5	40	±1.5	±1.5	0.1	50	A1
BPSA-0205G	2.0-3.5	+5	40	±1.5	±1.5	0.1	50	E1
BNSA-0205G	2.0-3.5	-5	40	±3.0	±3.0	0.1	45	E1
BPSA-0212S	2.0-3.5	+12	20	±1.5	±1.5	0.03	50	A1
BNSA-0212S	2.0-3.5	-12	20	±1.5	±1.5	0.03	50	A1
BPSA-0212G	2.0-3.5	+12	20	±1.5	±1.5	0.03	50	E1
BNSA-0212G	2.0-3.5	-12	20	±1.5	±1.5	0.03	45	E1
NON-ISOLATED INVERTING								
NNSA-0505S	4.5-5.5	-5	60	±1.0	±1.5	0.1	55	A1
NNSA-0505G	4.5-5.5	-5	60	±1.0	±1.5	0.1	60	E1
NNSB-0505S	4.5-5.5	-5	100	±1.0	±1.5	0.1	60	B1
NNSC-0505S	4.5-5.5	-5	200	±1.0	±1.5	0.1	60	B2
NNSA-0512S	4.5-5.5	-12	25	±1.0	±1.5	0.03	55	A1
NNSA-0512G	4.5-5.5	-12	25	±1.0	±1.5	0.03	60	E1
NNSB-0512S	4.5-5.5	-12	40	±1.0	±1.5	0.03	60	B1
NNSC-0512S	4.5-5.5	-12	80	±1.0	±1.5	0.03	60	B2
NNSA-0515S	4.5-5.5	-15	20	±1.0	±1.5	0.03	55	A1
NNSA-0515G	4.5-5.5	-15	20	±1.0	±1.5	0.03	60	E1
NNSB-0515S	4.5-5.5	-15	33	±1.0	±1.5	0.03	60	B1
NNSC-0515S	4.5-5.5	-15	67	±1.0	±1.5	0.03	60	B2
NNSA-0523S	4.5-5.5	-22.5	12	±1.0	±1.2	0.02	55	A1
NON-ISOLATED VOLTAGE BOOSTING								
NPSA-0512S	4.5-5.5	+12	25	±1.0	±1.5	0.03	65	A1
NPSA-0512G	4.5-5.5	+12	25	±1.0	±1.5	0.03	60	E1
NPSB-0512S	4.5-5.5	+12	40	±1.0	±1.5	0.03	60	B1
NPSC-0512S	4.5-5.5	+12	80	±1.0	±1.5	0.03	60	B2
NPSA-0515S	4.5-5.5	+15	20	±1.0	±1.5	0.03	65	A1
NPSA-0515G	4.5-5.5	+15	20	±1.0	±1.5	0.03	60	E1
NPSB-0515S	4.5-5.5	+15	33	±1.0	±1.5	0.03	60	B1
NPSC-0515S	4.5-5.5	+15	67	±1.0	±1.5	0.03	55	B1
NPSB-0524S	4.5-5.5	+24	20	±1.5	±2.0	0.03	55	B1
NPSC-0524S	4.5-5.5	+24	40	±1.5	±2.0	0.03	55	B2
ISOLATED								
IPDA-0512S	4.5-5.5	±12	12.5	±1.5	±2.5	0.03	60	B3
IPDB-0512S	4.5-5.5	±12	21	±1.5	±2.5	0.03	60	C1
IPDC-0512S	4.5-5.5	±12	42	±1.5	±2.5	0.03	60	C2
IPDD-0512	4.5-5.5	±12	125	±1.5	±2.5	0.03	60	D1
IPDE-0512	4.5-5.5	±12	208	±1.5	±2.5	0.03	60	D2
IPDA-0515S	4.5-5.5	±15	10	±1.5	±2.5	0.03	60	B3
IPDB-0515S	4.5-5.5	±15	17	±1.5	±2.5	0.03	60	C1
IPDC-0515S	4.5-5.5	±15	34	±1.5	±2.5	0.03	60	C2
IPDD-0515	4.5-5.5	±15	100	±1.5	±2.5	0.03	60	D1
IPDE-0515	4.5-5.5	±15	166	±1.5	±2.5	0.03	60	D2
IPSA-0524S	4.5-5.5	24	12.5	±1.5	±2.5	0.03	60	B3
IPSB-0524S	4.5-5.5	24	21	±2.0	±2.5	0.03	60	C1
IPSC-0524S	4.5-5.5	24	42	±2.0	±2.5	0.03	60	C2
IPSD-0524	4.5-5.5	24	125	±1.5	±2.5	0.03	60	D1
IPSE-0524	4.5-5.5	24	208	±1.5	±2.5	0.03	60	D2

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0.5W-1.0W

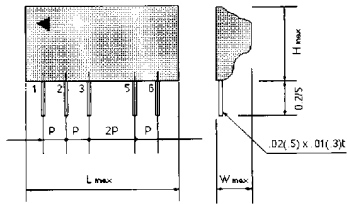
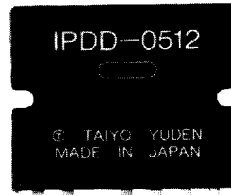
0.5W-1.0W

3.0W-5.0W T-57-11

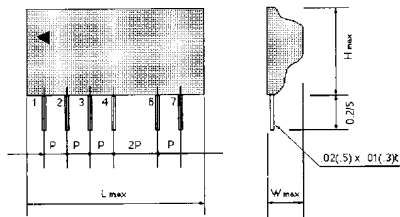
Package B

Package C

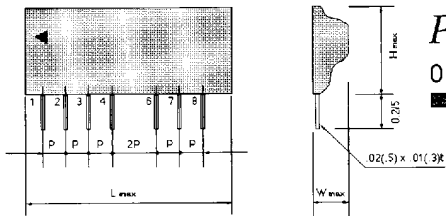
Package D



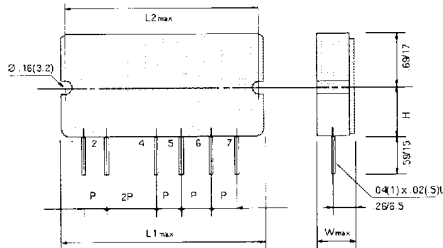
Package A
0.2 to 0.3 Watts



Package B
0.5 to 1.0 Watts



Package C
0.5 to 1.0 Watts

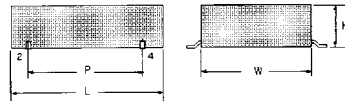
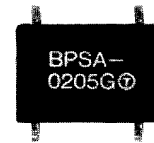


Package D
3.0 to 5.0 Watts

SURFACE MOUNT

0.2W-0.3W

Package E



DIMENSIONS - IN (MM)

PACKAGE	L (L1)	W	H	P	L2
A1	0.67(17)	0.24(6)	0.47(12)	0.1(2.54)	-
B1	0.79(20)	0.35(9)	0.63(16)	0.1(2.54)	-
B2	0.87(22)	0.39(10)	0.79(20)	0.1(2.54)	-
B3	0.83(21)	0.35(9)	0.79(20)	0.1(2.54)	-
C1	0.91(23)	0.35(9)	0.87(22)	0.1(2.54)	-
C2	0.98(25)	0.35(9)	0.94(24)	0.1(2.54)	-
D1	1.57(40)	0.39(10)	0.67(17)	0.1(2.54)	1.34(34)
D2	2.01(51)	0.47(12)	0.91(23)	0.1(2.54)	1.81(46)
E1	0.68(17.5)	0.49(12.5)	0.20(5.3)	0.5(12.7)	-

Contact Factory for Modifications and Custom DC-DC Converters & Hybrid Circuits.

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