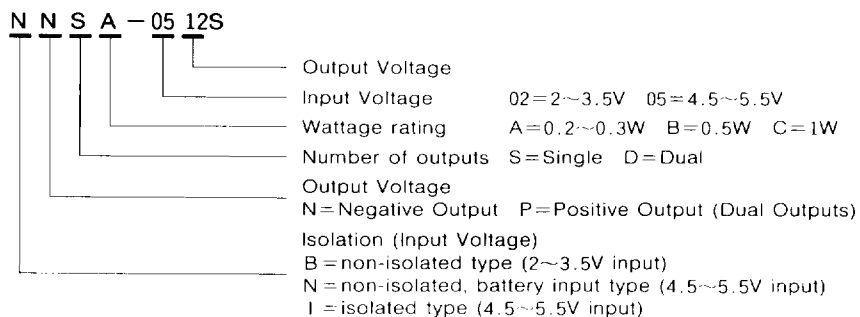


SWITCHING POWER SUPPLY

DC-DC Converter/SIP Series

ORDERING CODE



FEATURES

- Wide-range of applications
- SIP configuration allows efficient use of board space
- Large selection is available
- Isolated types are available

STANDARD SPECIFICATIONS

Operating temperature range: $-10 \sim +70^{\circ}\text{C}$

Storage temperature range: $-20 \sim +85^{\circ}\text{C}$

Humidity: MAX95% RH

Load regulation range: 25~100%

Isolation: 500VDC 1min

(applicable to isolated type)

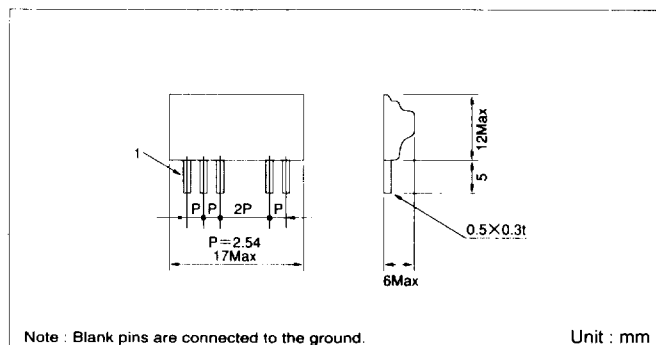
Handling Instructions

- For connection (A) (non-isolated output type) converters, the load should not be short-circuited
- Please contact factory if load short-circuiting is required.

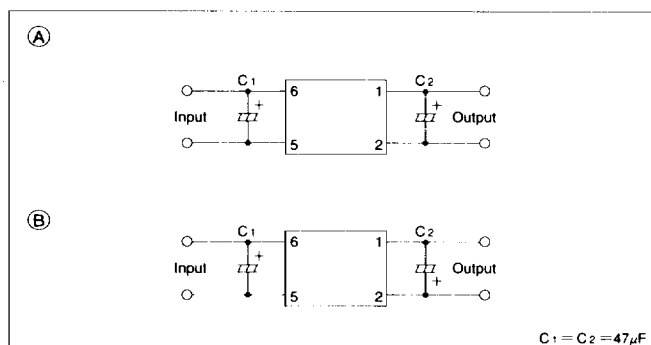
BATTERY INPUT 0.2W NON-ISOLATED TYPE (BPSA 02□□S type)

Ordering code	Input voltage [Vdc]	Output voltage [Vdc]	Output current [A]	Line regulation [%] Typ	Load regulation [%] Typ	Temperature regulation [%/°C] Typ	Efficiency [%] Typ	Connection
BPSA-0205S	2~3.5	+5	0.04	± 1.5	± 1.5	0.1	50	(A)
BNSA-0205S	2~3.5	-5						(B)
BPSA-0212S	2~3.5	+12	0.02	± 1.5	± 1.5	0.03	50	(A)
BNSA-0212S	2~3.5	-12						(B)

OUTSIDE DIMENSIONS



CONNECTION



The contents of this catalog are subject to be partially changed for improvement without notice. Please check respective specification when you purchase.

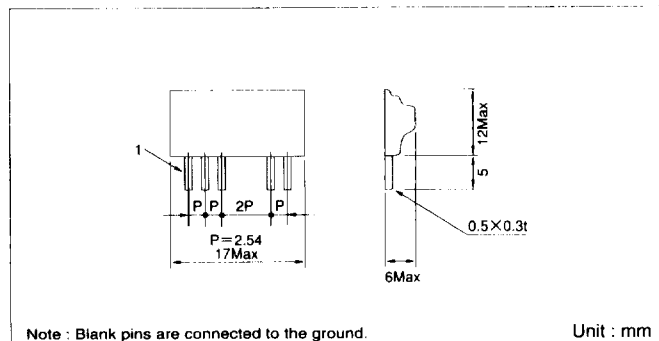
SWITCHING POWER SUPPLY

DC-DC Converter/SIP Series

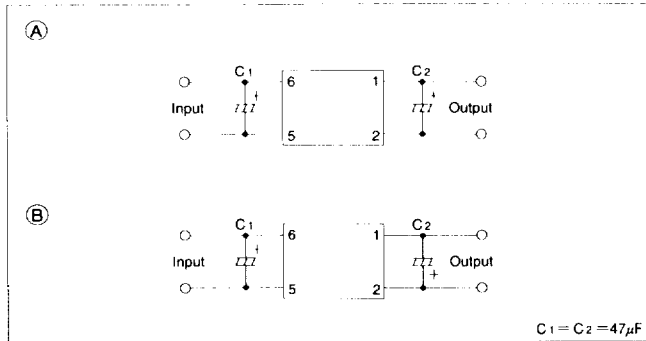
1.5V INPUT 0.5W NON-ISOLATED TYPE (B05A-05□□S type)

Ordering code	Input voltage [Vdc]	Output voltage [Vdc]	Output current [A]	Line regulation [%] Typ	Load regulation [%] Typ	Temperature regulation [%/°C] Typ	Efficiency [%] Typ	Connection
NNSA-0505S	4.5~5.5	-5	0.06	±1	±1.5	0.1	60	(B)
NPSA-0512S	4.5~5.5	+12	0.025	±1	±1.5	0.03	60	(A)
NNSA-0512S	4.5~5.5	-12					60	(B)
NPSA-0515S	4.5~5.5	+15	0.02	±1	±1.5	0.03	60	(A)
NNSA-0515S	4.5~5.5	-15					60	(B)

OUTSIDE DIMENSIONS



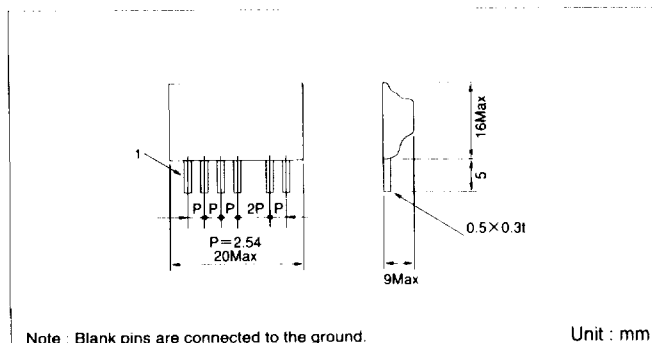
CONNECTION



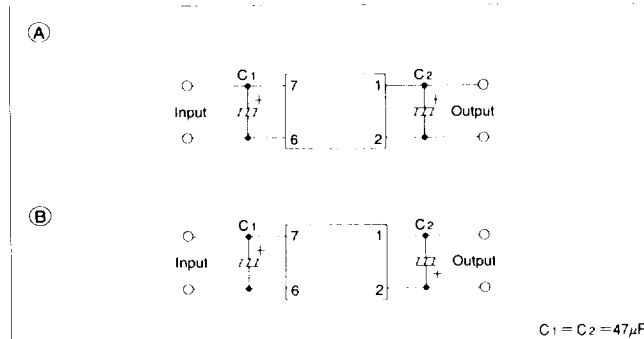
1.5V INPUT 0.5W NON-ISOLATED TYPE (B05B-05□□S type)

Ordering code	Input voltage [Vdc]	Output voltage [Vdc]	Output current [A]	Line regulation [%] Typ	Load regulation [%] Typ	Temperature regulation [%/°C] Typ	Efficiency [%] Typ	Connection
NNSB-0505S	4.5~5.5	-5	0.1	±1	±1.5	0.1	60	(B)
NPSB-0512S	4.5~5.5	+12	0.04	±1	±1.5	0.03	60	(A)
NNSB-0512S	4.5~5.5	-12					60	(B)
NPSB-0515S	4.5~5.5	+15	0.033	±1	±1.5	0.03	60	(A)
NNSB-0515S	4.5~5.5	-15					60	(B)
NPSB-0524S	4.5~5.5	+24	0.02	±1.5	±2	0.03	55	(A)

OUTSIDE DIMENSIONS



CONNECTION



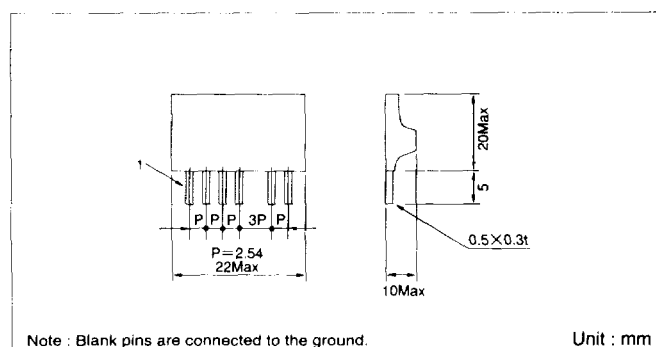
SWITCHING POWER SUPPLY

DC-DC Converter/SIP Series

+5V INPUT 1.0W NON-ISOLATED TYPE (NOSC-0500S type)

Ordering code	Input voltage [Voc]	Output voltage [Voc]	Output current [A]	Line regulation [%] Typ	Load regulation [%] Typ	Temperature stability [%/°C] Typ	Efficiency [%] Typ	Connection
NNSC-0505S	4.5~5.5	-5	0.2	±1	±1.5	0.1	60	ⓑ
NPSC-0512S	4.5~5.5	+12	0.08	±1	±1.5	0.03	60	Ⓐ
NNSC-0512S	4.5~5.5	-12						ⓑ
NPSC-0515S	4.5~5.5	+15	0.067	±1	±1.5	0.03	60	Ⓐ
NNSC-0515S	4.5~5.5	-15						ⓑ
NPSC-0524S	4.5~5.5	+24	0.04	±1.5	±2	0.03	55	Ⓐ

OUTSIDE DIMENSIONS



CONNECTION

