


 Datasheet

 All Models

## P7805-S Series NRND

3 Pin SIP Non-Isolated Dc-Dc Converter

This product is Not Recommended for New Design (NRND) and availability is limited to remaining stock in distribution. Please visit the [parametric search](#) to find available replacements.

### Recommended Replacement

### Datasheet


**P78A-0500 Series | 500 mA Output Current, 6~28 Vdc Input, 3 Pin SIP, Non-Isolated, Dc-Dc Converter**


**VX7803-500 | 3.3 Vdc, 0.5 A, 1.65 W, 4.75~36 Vdc Input Range**


**VX78039-500 | 9 Vdc, 0.5 A, 4.5 W, 12~36 Vdc Input Range**


**VX78012-500 | 12 Vdc, 0.5 A, 6 W, 15~36 Vdc Input Range**


**VX7815-500 | 15 Vdc, 0.5 A, 7.5 W, 19~36 Vdc Input Range**


**V78E01-500-SMT | 1.5 Vdc, 0.5 A, 0.75 W, 4.75~28 Vdc Input Range**


**V78E02-500-SMT | 2.5 Vdc, 0.5 A, 1.25 W, 4.75~32 Vdc Input Range**


**P7806-500 | 6.5 Vdc, 0.5 A, 3.25 W, 9-90 Vdc Input Range**


**PXO7806-500-S | 6.5 Vdc, 0.5 A, 3.25 W, 8 to 36 Vdc Input Range**


0.5 A

1 ~ 15 Vdc output options

32 Vdc max input voltage

-40 to +85°C temperature range

Pin compatible with LM78XX and LM79XX linear regulators

Wide input voltage range

Suited for negative output applications

Low ripple and noise

Efficiency up to 96%

### Safety & Compliance

#### Documents

[↓ RoHS & REACH](#)

### Description

The compact P7805-S non-isolated **dc-dc converter** series has been designed to offer a high performance alternative to linear regulators. Utilizing switching technology, this series is footprint compatible with TO-220 package LM78XX and LM79XX model regulators. Unlike linear regulators, the P7805-S **dc switching regulator** is extremely efficient and does not require a heat sink, making it ideal for applications where board space is at a premium and maximizing energy efficiency is a concern.

### Specifications

Regulation	<b>Yes</b>
Package Type	<b>SIP</b>
Isolation (Vdc)	<b>0</b>
Dimensions LxWxH (in)	<b>0.457 x 0.295 x 0.402</b>
Dimensions LxWxH (mm)	<b>11.6 x 7.5 x 10.2</b>

## ALL MODELS

Model Number	Input Voltage (Vdc)	Power (W)	Output Voltage (Vdc)	Output Current (A)	3D Model	PCB Footprint	Stock Check
<b>P7805-Q12-S1R5-S</b>	4.75 ~ 28	0.75	1.5	0.5	--	--	
<b>P7805-Q12-S1R8-S</b>	4.75 ~ 28	0.9	1.8	0.5	--	--	
<b>P7805-Q12-S2-S</b>	4.75 ~ 28	1.25	2.5	0.5	--	--	
<b>P7805-Q24-S3-S</b>	4.75 ~ 28	1.65	3.3	0.5	--	--	
<b>P7805-Q24-S5-S</b>	6.5 ~ 32	2.5	5	0.5			
<b>P7805-Q24-S6-S</b>	8 ~ 32	3.25	6.5	0.5	--	--	
<b>P7805-Q24-S9-S</b>	11 ~ 32	4.5	9	0.5	--	--	
<b>P7805-Q24-S12-S</b>	15 ~ 32	6	12	0.5	--	--	
<b>P7805-Q24-S15-S</b>	18 ~ 32	7.5	15	0.5	--	--	

## RECENTLY VIEWED PRODUCTS



### PDQE15-D Series

15 W, 4:1 Input Range, Single/Dual Regulated Output, DIP, 1500 Vdc Isolation, Dc-Dc Converter



### PQQ10W-S Series

10 W, 4:1 Input Range, Single Regulated Output, SIP8, 1500 Vdc Isolation, Dc-Dc Converter



### PDQE20-D Series

20 W, 4:1 Input Range, Single/Dual Regulated Output, DIP, 1500 Vdc Isolation, Dc-Dc Converter

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