

**P6FG-1205E2:1**

0131

## DIP16 – 1W to 2W Regulated

- Operating Temp –25 °C to +71 °C
- Input Range 2:1

P	Series	Input (VDC)		Output	Output (VDC)										Isolation VDC		
		9-18	18-36		3	3.3	4.8	5	7.2	9	12	15	18	24			
1	PB6FGxxxE2:1	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000
1	PB6FGxxxZ2:1	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000
1	PB6FGxxxE2:1H30	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000
1	PB6FGxxxZ2:1H30	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000
2	PB10FGxxxE2:1	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000
2	PB10FGxxxZ2:1	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000
2	PB10FGxxxE2:1H30	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000
2	PB10FGxxxZ2:1H30	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000

**PEAK**

P14SG-0512Z

0030

## DIP24 – 1.5W to 3W Regulated

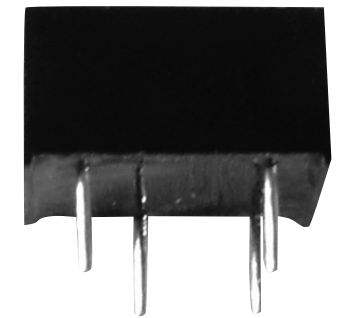
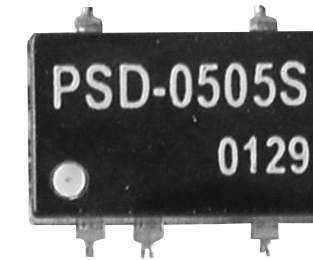
- Operating Temp –40 °C to +85 °C
- Input Filter with Internal Capacitor

P	Series	Input (VDC)								Output	Output (VDC)										Isolation VDC	Material			
		3.3	5	9	12	15	24	48	3		3.3	4.8	5	7.2	9	12	15	18	24	P		M			
1.5	P8SGxxxE	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000	✓	✓
1.5	P8SGxxxEH30	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000	✓	✓
1.5	P8SGxxxEH52	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5.200	✓	✓
1.5	P8SGxxxZ	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000	✓	✓
1.5	P8SGxxxZH30	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000	✓	✓
1.5	P8SGxxxZH52	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5.200	✓	✓
2	P10SGxxxE	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000	✓	✓
2	P10SGxxxEH30	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000	✓	✓
2	P10SGxxxEH52	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5.200	✓	✓
2	P10SGxxxZ	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000	✓	✓
2	P10SGxxxZH30	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000	✓	✓
2	P10SGxxxZH52	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5.200	✓	✓
3	P14SGxxxE	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000	✓	✓
3	P14SGxxxEH30	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000	✓	✓
3	P14SGxxxEH52	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5.200	✓	✓
3	P14SGxxxZ	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000	✓	✓
3	P14SGxxxZH30	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000	✓	✓
3	P14SGxxxZH52	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5.200	✓	✓

CASE: Standard = Non-Conductive Black Plastic / **M** = Metal Nickel-Coated Copper (Suffix «M»)

## DC DC Converter

Small size



### Features

- 0,25–3 Watt
- SMD Versions
- SIP4 / SIP7 / SIP12
- DIP8 / DIP14 / DIP16
- Regulated & Unregulated
- Isolation up to 5,2 kV
- Operating Temp. Range up to –40 to +85 °C



## SMD – 1W Unregulated

- ● Operating Temp –40 °C to +85 °C
- ● Fixed Input

P	Series	Case	Input (VDC)								Output	Output (VDC)								Isolation		
			3.3	5	9	12	15	24	28	3		3.3	4.8	5	7.2	9	12	15	18		24	VDC
1	PSDxxxxS	SOIC14	✓	✓	✓	✓					Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000
1	PSDxxxxD	SOIC18	✓	✓	✓	✓					Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000
1	PXV3xxxxZ	SOIC22	✓	✓	✓						Dual			✓	✓	✓	✓	✓	✓	✓	✓	3.000

## SMD – 3W to 6W Regulated

- ● Operating Temp –40 °C to +85 °C
- ● Input Range 4:1

P	Series	Case	Input (VDC)				Output	Output (VDC)								Isolation					
			9–36		18–72			3	3.3	4.8	5	7.2	9	12	15		18	24	VDC		
3	PSD3xxxxEH15	DIP24	✓		✓		Single	✓	✓	✓											1.500
3	PSD3xxxxEH35	DIP24	✓		✓		Single	✓	✓	✓											3.500
3	PSD3xxxxZH15	DIP24	✓		✓		Dual			✓					✓						1.500
3	PSD3xxxxZH35	DIP24	✓		✓		Dual			✓					✓						3.500
6	PSD6xxxxEH15	DIP24	✓		✓		Single			✓											1.500
6	PSD6xxxxEH35	DIP24	✓		✓		Single			✓											3.500
6	PSD6xxxxZH15	DIP24	✓		✓		Dual			✓					✓						1.500
6	PSD6xxxxZH35	DIP24	✓		✓		Dual			✓					✓						3.500



## SIP4 – 0.25W to 2W Unregulated

- ● Operating Temp –40 °C to +85 °C
- ● Input Filter with Internal Capacitor
- ● Low Ripple and Noise

P	Series	Case	Input (VDC)								Output	Output (VDC)								Isolation		
			3.3	5	9	12	15	24	48	3		3.3	4.8	5	7.2	9	12	15	18		24	VDC
0.25	P2AUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000
0.25	P2IUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000
0.5	P3AUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000
0.5	P3IUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000
1	P6AUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000
1	P6IUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000
2	P10AUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000
2	P10IUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000



## SIP6 – 1W Unregulated

- ● Operating Temp –40 °C to +85 °C
- ● Reduced SIP7 Case

P	Series	Case	Input (VDC)								Output	Output (VDC)								Isolation		
			3.3	5	9	12	15	24	48	3		3.3	4.8	5	7.2	9	12	15	18		24	VDC
1	P6EUxxxxZH30		✓		✓						Dual	✓		✓	✓	✓	✓	✓	✓	✓	✓	3.000

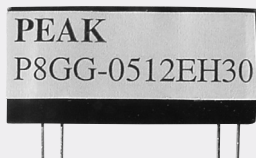


## SIP7 – 0.75W to 2W Unregulated / Regulated

- ● Operating Temp –40 °C to +85 °C
- ● Low Ripple and Noise

P	Series	Case	Input (VDC)												Output	Output (VDC)												Isolation
			3.3	5	9	12	15	24	48	3	3.3	4.8	5	7.2		9	12	15	18	24	VDC							
0.5	P3CUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		
0.5	P3CUxxxxZ		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		
0.5	P3LUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000		
0.5	P3LUxxxxZ		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000		
0.75	P5CUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		
0.75	P5CUxxxxZ		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		
0.75	P5LUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000		
0.75	P5LUxxxxZ		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000		
1	P6CUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		
1	P6CUxxxxZ		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		
1	PN6CUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		
1	P6CUxxxxxZ		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dual Se	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		
1	P6LUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000		
1	P6LUxxxxZ		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000		
1	P6LUxxxxEH40		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.000		
1	P6LUxxxxZH40		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.000		
1	P6LUxxxxEH52		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5.200		
1	P6LUxxxxZH52		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5.200		
1	P6CGxxxxE		✓		✓									Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		
1	P6CGxxxxEH20		✓		✓									Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2.000		
1	P6CGxxxxZS		✓		✓									Dual Sp	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		
1	P6LGxxxxE		✓		✓									Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000		
1	P6LGxxxxZS		✓		✓									Dual Sp	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000		
2	P10CUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		
2	P10CUxxxxZ		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		
2	P10LUxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000		
2	P10LUxxxxZ		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000		
2	P10LUxxxxEH40		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.000		
2	P10LUxxxxZH40		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.000		
2	P10LUxxxxEH52		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5.200		
2	P10LUxxxxZH52		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Dual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5.200		
2	P10CUxxxxxZ		✓		✓									Dual Se	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		

U = Unregulated / G = Regulated / Dual Se = Dual Separate / Dual Sp = Dual Split



## SIP12 – 1.5W to 3W Regulated and 2:1 Input

- ● Operating Temp –25 °C to +71 °C
- ● Low Ripple and Noise
- ● Short Circuit Protected

P	Series	Case	Input (VDC)												Output	Output (VDC)												Isolation
			3.3	5	9	12	15	24	48	3	3.3	4.8	5	7.2		9	12	15	18	24	VDC							
1.5	P8GGxxxxE		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		
1.5	P8GGxxxxEH30		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000		
1.5	P8GGxxxxEH52		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5.200		
2	P10GGxxxxE		✓		✓									Single	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	1.000		
2	P10GGxxxxEH30		✓		✓									Single	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	3.000		
2	P10GGxxxxEH52		✓		✓									Single	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	5.20		