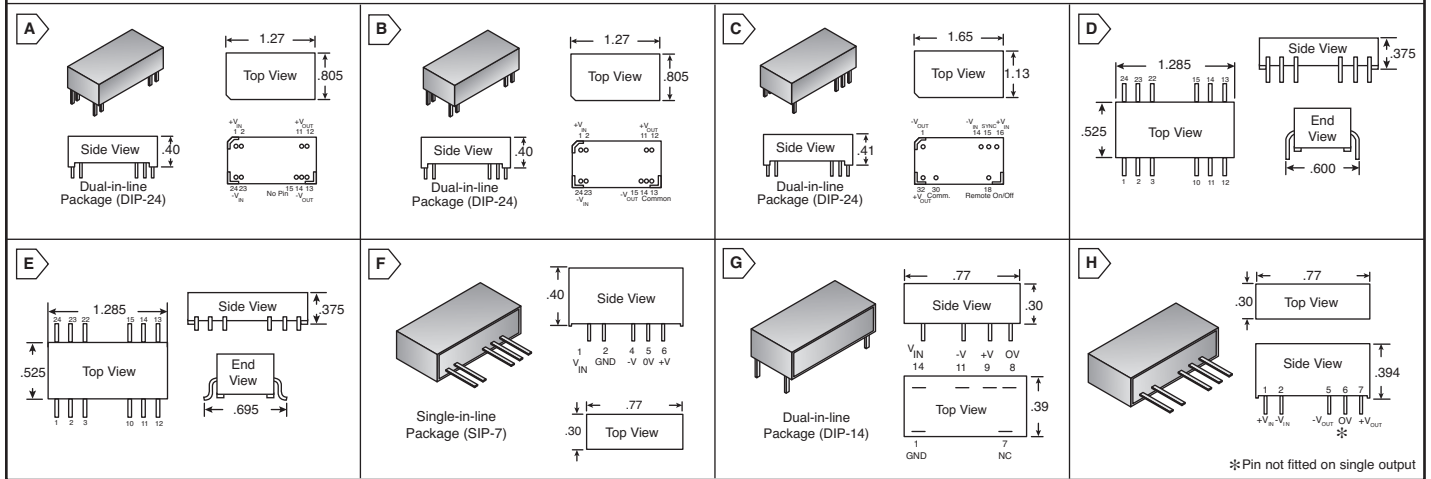


# MURATA POWER SOLUTIONS DC-DC Converters



RoHS Compliant This page of product is compliant.

## DIMENSIONS: in.



## PWR13XX SERIES, 1.5W UNREGULATED SINGLE AND DUAL OUTPUT

The PWR13XX series offers a broad line of low-cost, high-isolation voltage, unregulated, single and dual output DC-DC converters in a 24-pin DIP package. High efficiency means less internal power dissipation.

- 8kVDC isolation
- Internal filtering
- Low barrier capacitance: 10pf
- Low leakage current: 2µA max
- -55°C to +100°C operation
- RoHS Compliant



RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each			
						1	5	10	25
<b>Single Output</b>									
580-PWR1300AC	PWR1300AC	A	5	5	300	31.79	30.80	26.87	25.72
580-PWR1306AC	PWR1306AC	A	12	5	300	31.79	30.80	26.87	25.72
580-PWR1307AC	PWR1307AC	A	12	12	125	31.79	30.80	26.87	25.72
580-PWR1308AC	PWR1308AC	A	12	15	100	31.79	30.80	26.87	25.72
<b>Dual Output</b>									
580-PWR1303AC	PWR1303AC	B	5	±5	±150	33.81	32.85	31.77	29.75
580-PWR1304AC	PWR1304AC	B	5	±12	±63	33.81	32.85	31.77	29.75
580-PWR1305AC	PWR1305AC	B	5	±15	±50	33.81	32.85	31.77	29.75
580-PWR1309AC	PWR1309AC	B	12	±5	±150	33.81	32.85	31.77	29.75
580-PWR1310AC	PWR1310AC	B	12	±12	±63	33.81	32.85	31.77	29.75
580-PWR1311AC	PWR1311AC	B	12	±15	±50	33.81	32.85	31.77	29.75
580-PWR1317AC	PWR1317AC	B	15	±15	±50	33.81	32.85	31.77	29.75

## PWR1726A SERIES, 1.5W UNREGULATED DUAL OUTPUT

The PWR1726A is a single-channel, dual-output DC-DC converter designed for applications where high-isolation voltage and low-barrier capacitance are critical for reliability and integrity.

- 8kV isolation test voltage
- Remote on/off
- Low-barrier capacitance
- Operating temperature range: -40°C ~ +100°C
- RoHS Compliant



RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each			
						1	5	10	25
580-PWR1726AC	PWR1726AC	C	12	±15	±50	40.82	39.15	38.41	37.80

## HL02R SERIES, 2W REGULATED SINGLE AND DUAL OUTPUT

The HL02R Series utilizes a 110KHz push-pull oscillator in the input stage with low-drop regulators on the outputs reducing the output noise and maintaining good efficiency.

- Internal filtering
- Temperature range: -25°C to +70°C
- Short circuit duration: 30 seconds
- Low output noise
- High efficiency
- DIP and SMD packages
- RoHS Compliant



RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each			
						1	5	10	25
<b>Single Output DIP Package</b>									
580-HL02R05S05YC	HL02R05S05YC	D	5	5	400	12.57	12.15	11.82	11.30
580-HL02R05S12YC	HL02R05S12YC	D	5	12	166	12.57	12.15	11.82	11.30
580-HL02R24S05YC	HL02R24S05YC	D	24	5	400	12.57	12.15	11.82	11.30
580-HL02R24S12YC	HL02R24S12YC	D	24	12	166	12.57	12.15	11.82	11.30
<b>Dual Output DIP Package</b>									
580-HL02R05D12YC	HL02R05D12YC	D	5	±12	±83	15.08	14.50	14.17	13.50
580-HL02R05D15YC	HL02R05D15YC	D	5	±15	±67	15.08	14.50	14.17	13.50
580-HL02R12D12YC	HL02R12D12YC	D	12	±12	±83	15.08	14.50	14.17	13.50
580-HL02R12D15YC	HL02R12D15YC	D	12	±15	±67	15.08	14.50	14.17	13.50
580-HL02R24D15YC	HL02R24D15YC	D	24	±15	±67	15.08	14.50	14.17	13.50
<b>Single Output SMD Package</b>									
580-HL02R05S05ZC	HL02R05S05ZC	E	5	5	400	12.57	12.15	11.82	11.30
580-HL02R05S12ZC	HL02R05S12ZC	E	5	12	166	12.57	12.15	11.82	11.30

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## NMH SERIES, 2W DUAL OUTPUT

The NMH offers the smallest footprint of any dual-output 2 watt DC-DC Converter.

- 1KVDC isolation
- UL 94V-0 package material
- Toroidal magnetics
- Efficiency to 86%
- No heatsink required
- Fully encapsulated
- RoHS Compliant



RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each			
						1	5	10	25
<b>SIP</b>									
580-NMH0505SC	NMH0505SC	F	5	±5	±200	14.04	13.71	13.28	13.23
580-NMH0509SC	NMH0509SC	F	5	±9	±111	14.04	13.71	13.28	13.23
580-NMH0512SC	NMH0512SC	F	5	±12	±83	14.04	13.71	13.28	13.23
580-NMH0515SC	NMH0515SC	F	5	±15	±67	14.04	13.71	13.28	13.23
580-NMH1205SC	NMH1205SC	F	12	±5	±200	14.04	13.71	13.28	13.23
580-NMH1209SC	NMH1209SC	F	12	±9	±111	14.04	13.71	13.28	13.23
580-NMH1212SC	NMH1212SC	F	12	±12	±83	14.04	13.71	13.28	13.23
580-NMH1215SC	NMH1215SC	F	12	±15	±67	14.04	13.71	13.28	13.23
580-NMH2405SC	NMH2405SC	F	24	±5	±200	16.17	15.69	15.19	14.96
580-NMH2409SC	NMH2409SC	F	24	±9	±111	16.17	15.69	15.19	14.96
580-NMH2412SC	NMH2412SC	F	24	±12	±83	16.17	15.69	15.19	14.96
580-NMH2415SC	NMH2415SC	F	24	±15	±67	16.17	15.69	15.19	14.96
580-NMH4805SC	NMH4805SC	F	48	±5	±200	16.17	15.69	15.19	14.96
580-NMH4812SC	NMH4812SC	F	48	±12	±83	16.17	15.69	15.19	14.96
<b>DIP</b>									
580-NMH0505DC	NMH0505DC	G	5	±5	±200	14.73	14.27	13.93	13.71
580-NMH0509DC	NMH0509DC	G	5	±9	±111	14.73	14.27	13.93	13.71
580-NMH0512DC	NMH0512DC	G	5	±12	±83	14.73	14.27	13.93	13.71
580-NMH0515DC	NMH0515DC	G	5	±15	±67	14.73	14.27	13.93	13.71
580-NMH0524DC	NMH0524DC	G	5	±24	±42	16.95	16.59	15.95	15.78
580-NMH1205DC	NMH1205DC	G	12	±5	±200	14.73	14.27	13.93	13.71
580-NMH1209DC	NMH1209DC	G	12	±9	±111	14.73	14.27	13.93	13.71
580-NMH1212DC	NMH1212DC	G	12	±12	±83	14.73	14.27	13.93	13.71
580-NMH1215DC	NMH1215DC	G	12	±15	±67	14.73	14.27	13.93	13.71
580-NMH2412DC	NMH2412DC	G	24	±12	±83	16.95	16.59	15.95	15.78
580-NMH2415DC	NMH2415DC	G	24	±15	±67	16.95	16.59	15.95	15.78
580-NMH2405DC	NMH2405DC	G	24	±5	±200	16.95	16.59	15.95	15.78

## NMK SERIES, 2W SINGLE AND DUAL OUTPUT

- 3KVDC isolation
- UL 94V-0 package material
- Fully encapsulated with toroidal magnetics
- No heatsink required
- Operating temperature range: -40°C to 85°C
- Efficiency from 80%
- RoHS Compliant



RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each			
						1	5	10	25
<b>Single Output</b>									
580-NMK0505SAC	NMK0505SAC	H	5	5	400	14.38	14.04	13.52	13.31
580-NMK0509SAC	NMK0509SAC	H	5	9	222	14.38	14.04	13.52	13.31
580-NMK0512SAC	NMK0512SAC	H	5	12	167	14.38	14.04	13.52	13.31
580-NMK0515SAC	NMK0515SAC	H	5	15	133	14.38	14.04	13.52	13.31
580-NMK1205SAC	NMK1205SAC	H	12	5	400	14.38	14.04	13.52	13.31
580-NMK1209SAC	NMK1209SAC	H	12	9	222	14.38	14.04	13.52	13.31
580-NMK1212SAC	NMK1212SAC	H	12	12	167	14.38	14.04	13.52	13.31
580-NMK1215SAC	NMK1215SAC	H	12	15	133	14.38	14.04	13.52	13.31
<b>Dual Output</b>									
580-NMK0505SC	NMK0505SC	H	5	±5	±200	15.23	15.15	15.05	14.88
580-NMK0509SC	NMK0509SC	H	5	±9	±111	15.23	15.15	15.05	14.88
580-NMK0512SC	NMK0512SC	H	5	±12	±83	15.23	15.15	15.05	14.88
580-NMK0515SC	NMK0515SC	H	5	±15	±67	15.23	15.15	15.05	14.88
580-NMK1205SC	NMK1205SC	H	12	±5	±200	15.23	15.15	15.05	14.88
580-NMK1209SC	NMK1209SC	H	12	±9	±111	15.23	15.15	15.05	14.88
580-NMK1212SC	NMK1212SC	H	12	±12	±83	15.23	15.15	15.05	14.88
580-NMK1215SC	NMK1215SC	H	12	±15	±67	15.23	15.15	15.05	14.88

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