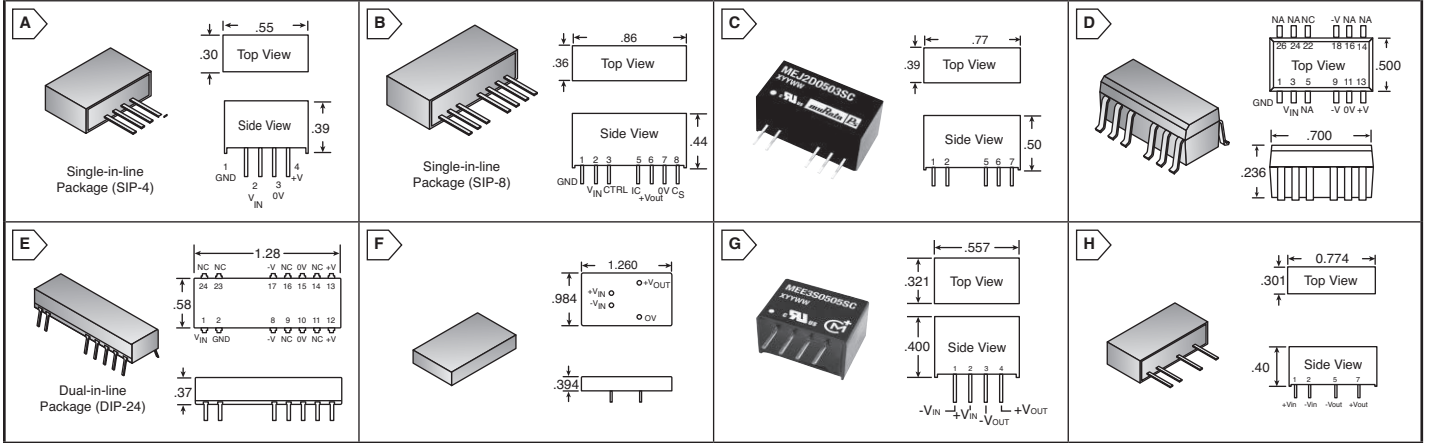


MURATA POWER SOLUTIONS DC-DC Converters



RoHS Compliant This page of product is compliant.

DIMENSIONS: in.



NML SERIES, 2W SINGLE OUTPUT

The NML is the smallest footprint 2 watt DC-DC Converter currently available.

- 1kVDC isolation
- UL 94V-0 package material
- Toroidal magnetics
- Efficiency to 85%
- No heatsink required
- Fully encapsulated



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For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each			
						1	5	10	25
SIP									
580-NML0505SC	NML0505SC	A	5	5	400	13.20	13.13	13.04	12.90
580-NML0509SC	NML0509SC	A	5	9	222	13.20	13.13	13.04	12.90
580-NML0512SC	NML0512SC	A	5	12	167	13.20	13.13	13.04	12.90
580-NML0515SC	NML0515SC	A	5	15	133	13.20	13.13	13.04	12.90
580-NML1205SC	NML1205SC	A	12	5	400	13.20	13.13	13.04	12.90
580-NML1212SC	NML1212SC	A	12	12	167	13.20	13.13	13.04	12.90

NDL SERIES, 2W SINGLE OUTPUT

The NDL series is a range of high performance miniature DC-DC converters having regulated outputs over the wide temperature range of -40°C to 85°C with no power derating.

- 2:1 wide range voltage input
- 0.5% regulation
- External control
- Continuous short circuit protection with current foldback
- 1kVDC isolation



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MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each			
						1	5	10	25
580-NDL0505SC	NDL0505SC	B	4.5-9	5	400	19.46	19.36	19.23	19.01
580-NDL0515SC	NDL0515SC	B	4.5-9	15	134	19.46	19.36	19.23	19.01
580-NDL1205SC	NDL1205SC	B	9-18	5	400	19.46	19.36	19.23	19.01
580-NDL1209SC	NDL1209SC	B	9-18	9	222	19.46	19.36	19.23	19.01
580-NDL1212SC	NDL1212SC	B	9-18	12	167	19.46	19.36	19.23	19.01
580-NDL1215SC	NDL1215SC	B	9-18	15	134	19.46	19.36	19.23	19.01
580-NDL2405SC	NDL2405SC	B	18-36	5	400	19.46	19.36	19.23	19.01
580-NDL2409SC	NDL2409SC	B	18-36	9	222	19.46	19.36	19.23	19.01
580-NDL2412SC	NDL2412SC	B	18-36	12	167	19.46	19.36	19.23	19.01
580-NDL2415SC	NDL2415SC	B	18-36	15	134	19.46	19.36	19.23	19.01
580-NDL4805SC	NDL4805SC	B	36-72	5	400	19.46	19.36	19.23	19.01
580-NDL4812SC	NDL4812SC	B	36-72	12	167	19.46	19.36	19.23	19.01

MEJ2 SERIES, 2W SINGLE AND DUAL OUTPUT

- Power density 0.81W/cm³
- UL 94V-0 package material
- 5.2kVDC isolation



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each			
						1	5	10	25
580-MEJ2D0505SC	MEJ2D0505SC	C	5	±5	±200	10.15	10.10	10.03	9.92
580-MEJ2D0509SC	MEJ2D0509SC	C	5	±9	±111	10.15	10.10	10.03	9.92
580-MEJ2D0512SC	MEJ2D0512SC	C	5	±12	±83	10.15	10.10	10.03	9.92
580-MEJ2D0515SC	MEJ2D0515SC	C	5	±15	±67	10.15	10.10	10.03	9.92
580-MEJ2D1205SC	MEJ2D1205SC	C	12	±5	±200	10.15	10.10	10.03	9.92
580-MEJ2D1209SC	MEJ2D1209SC	C	12	±9	±111	10.15	10.10	10.03	9.92
580-MEJ2D1212SC	MEJ2D1212SC	C	12	±12	±83	10.15	10.10	10.03	9.92
580-MEJ2D1215SC	MEJ2D1215SC	C	12	±15	±67	10.15	10.10	10.03	9.92
580-MEJ2S0505SC	MEJ2S0505SC	C	5	5	400	10.15	10.10	10.03	9.92
580-MEJ2S0509SC	MEJ2S0509SC	C	5	9	222	10.15	10.10	10.03	9.92
580-MEJ2S0512SC	MEJ2S0512SC	C	5	12	167	10.15	10.10	10.03	9.92
580-MEJ2S0515SC	MEJ2S0515SC	C	5	15	133	10.15	10.10	10.03	9.92
580-MEJ2S1205SC	MEJ2S1205SC	C	12	5	400	10.15	10.10	10.03	9.92
580-MEJ2S1209SC	MEJ2S1209SC	C	12	9	222	10.15	10.10	10.03	9.92
580-MEJ2S1212SC	MEJ2S1212SC	C	12	12	167	10.15	10.10	10.03	9.92
580-MEJ2S1215SC	MEJ2S1215SC	C	12	15	133	10.15	10.10	10.03	9.92

NTH SERIES, 2W DUAL OUTPUT

The NTH series of miniature surface mounted DC-DC converters employ leadframe technology and transfer moulding techniques to bring all of the benefits of IC style packaging to hybrid circuitry.

- 1kVDC isolation
- No heatsink required
- Operating temperature range -40°C to 85°C
- Internal SMD construction
- MTTF up to 2.1 million hours
- Efficiency to 84%



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MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each			
						1	5	10	25
580-NTH0505MC	NTH0505MC	D	5	±5	±200	14.04	13.71	13.28	13.23
580-NTH0515MC	NTH0515MC	D	5	±15	±67	14.04	13.70	13.28	13.23
580-NTH1205MC	NTH1205MC	D	12	±5	±200	14.04	13.70	13.28	13.23
580-NTH1209MC	NTH1209MC	D	12	±9	±111	14.04	13.71	13.28	13.23
580-NTH1215MC	NTH1215MC	D	12	±15	±67	14.04	13.70	13.28	13.23

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NMS SERIES, 2W DUAL OUTPUT

The NMS series of DC-DC converters are UL 1950 recognized, this makes them ideal for all telecom and safety applications where approved isolation is required.

- Efficiency to 82%
- 6kVDC isolation
- UL 94V-0 package material
- No external components required



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For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each			
						1	5	10	25
580-NMS0505C	NMS0505C	E	5	±5	±200	20.30	20.20	20.06	19.83
580-NMS0509C	NMS0509C	E	5	±9	±111	20.30	20.20	20.06	19.83
580-NMS0512C	NMS0512C	E	5	±12	±83	20.30	20.20	20.06	19.83
580-NMS1205C	NMS1205C	E	12	±5	±200	20.30	20.20	20.06	19.83
580-NMS1209C	NMS1209C	E	12	±9	±111	20.30	20.20	20.06	19.83
580-NMS1212C	NMS1212C	E	12	±12	±83	20.30	20.20	20.06	19.83
580-NMS1215C	NMS1215C	E	12	±15	±67	20.30	20.20	20.06	19.83

NBW3 SERIES, 3W SINGLE OUTPUT

- 7:1 Wide range voltage input, 9-60VDC
- Operating temperature range: 40°C to 85°C
- 0.05% typical load regulation
- 1kVDC isolation
- UL 94V-0 package materials



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each			
						1	5	10	25
580-NBW3S3612C	NBW3S3612C	F	36	12	250	19.11	19.01	18.88	18.68

MEE3 SERIES, 3W ISOLATED SINGLE OUTPUT

- 1kVDC isolation
- Power density 2.68W/cm³
- Operating temperature range: -40°C to 85°C

- UL 94V-0 package material
- No heat sink required
- Typ. Efficiency from 83%



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each			
						1	5	10	25
580-MEE3S0505SC	MEE3S0505SC	G	5	5	600	11.84	11.78	11.70	11.57
580-MEE3S0509SC	MEE3S0509SC	G	5	9	333	11.84	11.78	11.70	11.57
580-MEE3S0512SC	MEE3S0512SC	G	5	12	250	11.84	11.78	11.70	11.57
580-MEE3S0515SC	MEE3S0515SC	G	5	15	200	11.84	11.78	11.70	11.57
580-MEE3S1205SC	MEE3S1205SC	G	12	5	600	11.84	11.78	11.70	11.57
580-MEE3S1209SC	MEE3S1209SC	G	12	9	333	11.84	11.78	11.70	11.57
580-MEE3S1212SC	MEE3S1212SC	G	12	12	250	11.84	11.78	11.70	11.57
580-MEE3S1215SC	MEE3S1215SC	G	12	15	200	11.84	11.78	11.70	11.57

MEV3 SERIES, 3W ISOLATED SINGLE OUTPUT

- 3kVDC isolation
- Power density 1.9W/cm³

- Typ. Efficiency from 83%
- UL 94V-0 package material



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each			
						1	5	10	25
580-MEV3S0505SC	MEV3S0505SC	H	5	5	600	13.54	13.47	13.38	13.23
580-MEV3S0509SC	MEV3S0509SC	H	5	9	333	13.54	13.47	13.38	13.23
580-MEV3S0512SC	MEV3S0512SC	H	5	12	250	13.54	13.47	13.38	13.23
580-MEV3S0515SC	MEV3S0515SC	H	5	15	200	13.54	13.47	13.38	13.23
580-MEV3S1205SC	MEV3S1205SC	H	12	5	600	13.54	13.47	13.38	13.23
580-MEV3S1209SC	MEV3S1209SC	H	12	9	333	13.54	13.47	13.38	13.23
580-MEV3S1212SC	MEV3S1212SC	H	12	12	250	13.54	13.47	13.38	13.23
580-MEV3S1215SC	MEV3S1215SC	H	12	15	200	13.54	13.47	13.38	13.23

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