MURATA POWER SOLUTIONS DC-DC Converters

Murata Power Solutions

RoHS Compliant This page of product is compliant.

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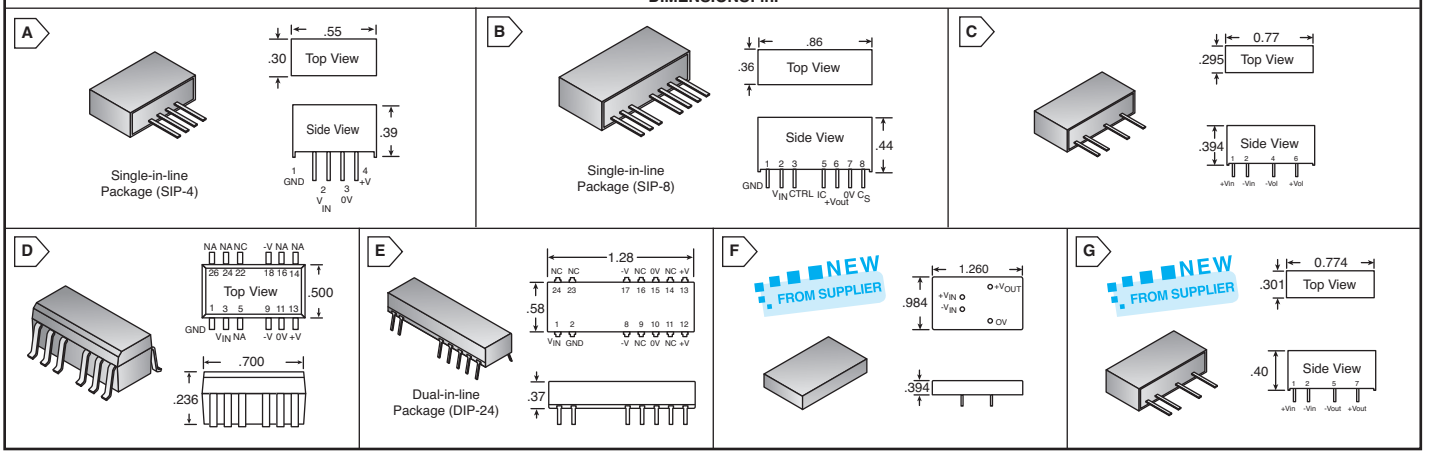

NML SERIES, 2W SINGLE OUTPUT

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
- 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
SIP									
580-NML0505SC	NML0505SC	A	5	5	400	14.04	13.71	13.28	13.23
580-NML0509SC	NML0509SC	A	5	9	222	14.04	13.71	13.28	13.23
580-NML0512SC	NML0512SC	A	5	12	167	14.04	13.71	13.28	13.23
580-NML0515SC	NML0515SC	A	5	15	133	14.04	13.71	13.28	13.23
580-NML1205SC	NML1205SC	A	12	5	400	14.04	13.71	13.28	13.23
580-NML1212SC	NML1212SC	A	12	12	167	14.04	13.71	13.28	13.23
580-NML1215SC	NML1215SC	A	12	15	133	14.04	13.71	13.28	13.23

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.

RoHS Compliant

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

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-NDL0505SC	NDL0505SC	B	4.5-9	5	400	21.07	20.59	19.82	19.68
580-NDL0509SC	NDL0509SC	B	4.5-9	9	222	21.07	20.59	19.82	19.68
580-NDL0515SC	NDL0515SC	B	4.5-9	15	134	21.07	20.59	19.82	19.68
580-NDL1205SC	NDL1205SC	B	9-18	5	400	21.06	20.53	19.82	19.59
580-NDL1209SC	NDL1209SC	B	9-18	9	222	21.06	20.53	19.82	19.59
580-NDL1212SC	NDL1212SC	B	9-18	12	167	21.06	20.59	19.82	19.68
580-NDL1215SC	NDL1215SC	B	9-18	15	134	21.06	20.59	19.82	19.68
580-NDL2405SC	NDL2405SC	B	18-36	5	400	21.06	20.59	19.82	19.68
580-NDL2409SC	NDL2409SC	B	18-36	9	222	21.07	20.59	19.82	19.68
580-NDL2412SC	NDL2412SC	B	18-36	12	167	21.06	20.59	19.82	19.68
580-NDL2415SC	NDL2415SC	B	18-36	15	134	21.06	20.59	19.82	19.68
580-NDL4805SC	NDL4805SC	B	36-72	5	400	21.06	20.59	19.82	19.68
580-NDL4809SC	NDL4809SC	B	36-72	9	222	21.07	20.59	19.82	19.68
580-NDL4812SC	NDL4812SC	B	36-72	12	167	21.07	20.59	19.82	19.68

NMG SERIES, 2W ISOLATED SINGLE OUTPUT

- RoHS Compliant
- Efficiency from 81%
- Wide temp. performance @ full 2W load, -40°C to 85°C
- 1kVDC isolation
- Internal SMD construction
- Fully encapsulated with toroidal magnetics
- No external components required

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10
580-NMG0505SC	NMG0505SC	C	5	5	400	14.04	13.71	13.28
580-NMG0509SC	NMG0509SC	C	5	9	222	14.04	13.71	13.28
580-NMG0512SC	NMG0512SC	C	5	12	167	14.04	13.71	13.28
580-NMG0515SC	NMG0515SC	C	5	15	133	14.04	13.71	13.28
580-NMG1205SC	NMG1205SC	C	12	5	400	14.04	13.71	13.28
580-NMG1215SC	NMG1215SC	C	12	15	133	14.04	13.71	13.28

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%
- 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-NTH0505MC	NTH0505MC	D	5	±5	±200	14.04	13.71	13.28	13.23
580-NTH0509MC	NTH0509MC	D	5	±9	±111	14.04	13.71	13.28	13.23
580-NTH0515MC	NTH0515MC	D	5	±15	±67	14.04	13.71	13.28	13.23
580-NTH1205MC	NTH1205MC	D	12	±5	±200	14.04	13.71	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	13.71	13.28	13.23

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.

- UL 1950
- Efficiency to 82%
- RoHS Compliant
- 6kVDC isolation
- UL 94V-O package material
- No external components required

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-NMS0505C	NMS0505C	E	5	±5	±200	22.45	21.86	21.12	20.91
580-NMS0509C	NMS0509C	E	5	±9	±111	22.45	21.86	21.12	20.91
580-NMS0512C	NMS0512C	E	5	±12	±83	22.45	21.86	21.12	20.91
580-NMS0515C	NMS0515C	E	5	±15	±67	22.45	21.86	21.12	20.91
580-NMS1205C	NMS1205C	E	12	±5	±200	22.45	21.86	21.12	20.91
580-NMS1209C	NMS1209C	E	12	±9	±111	22.45	21.86	21.12	20.91
580-NMS1212C	NMS1212C	E	12	±12	±83	22.45	21.86	21.12	20.91
580-NMS1215C	NMS1215C	E	12	±15	±67	22.45	21.86	21.12	20.91

NDW3 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

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MPS Part No.	Fig.	Input Volts	Output Volts	Io max (mA)	Price Each 1	5	10	25
580-NDW3S3612C	NDW3S3612C	F	36	12	250	19.11	19.01	18.88	18.68

MEV3 SERIES, 3W ISOLATED SINGLE OUTPUT

RoHS Compliant

For quantities of 50 and up, call for quote.

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

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