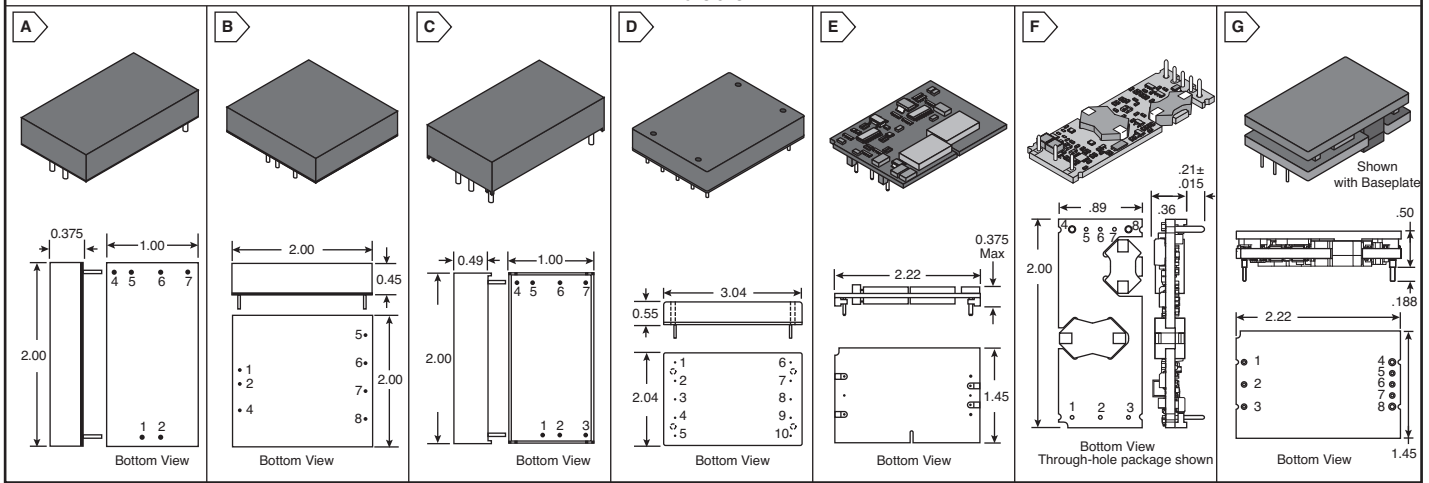


# MURATA POWER SOLUTIONS DC-DC Converters



RoHS Compliant This product is RoHS compliant.

Dimensions: in.



## DATL TWR SERIES, 8-22W ISOLATED TRIPLE OUTPUT

### Features:

- Fully isolated, 1500VDC guaranteed
- Guaranteed efficiencies to 82%
- 40° to +100°C operating temperature
- 20W models allow "user-allocated" power among outputs
- Designed to meet UL 1950/EN60950



RoHS Compliant

\*No pin 4

For quantities of 25 and up, call for quote.

| MOUSER STOCK NO.      | Datal Part No.           | Fig. | Input Volts | Output |         | Price Each |        |        |
|-----------------------|--------------------------|------|-------------|--------|---------|------------|--------|--------|
|                       |                          |      |             | Volts  | Current | 1          | 5      | 10     |
| 580-TWR10-5-12-D12AC  | TWR-5/1000-12/210-D12A-C | A    | 12          | 5      | 1A      | 93.72      | 91.88  | 84.82  |
| 580-TWR11-5-15-D12AC  | TWR-5/1000-15/200-D12A-C | A    | 12          | 5      | 1A      | 78.84      | 78.28  | 77.73  |
| 580-TWR20-5-12D12AC   | TWR-5/3000-12/500-D12A-C | B    | 12          | 5      | 3A      | 93.85      | 93.19  | 92.54  |
| 580-TWR20-5-15D12AC   | TWR-5/3000-15/500-D12A-C | B    | 12          | 5      | 3A      | 93.85      | 93.19  | 92.54  |
| 580-TWR10-5-12-D24AC  | TWR-5/1000-12/210-D24A-C | A    | 24          | 5      | 1A      | 90.50      | 89.25  | 82.38  |
| 580-TWR11-5-15-D24AC  | TWR-5/1000-15/200-D24A-C | A    | 24          | 5      | 1A      | 90.50      | 89.25  | 82.38  |
| 580-TWR22-5-15D24C    | TWR-5/3-15/250-D24-C     | C    | 24          | 5      | 3A      | 66.30      | 65.00  | 60.00  |
| *580-TWR12-5-12-D48AC | TWR-5/1200-12/250-D48A-C | B    | 48          | 5      | 1.2A    | 118.00     | 115.90 | 107.40 |
| *580-TWR12-5-15-D48AC | TWR-5/1000-15/250-D48A-C | B    | 48          | 5      | 1A      | 118.00     | 115.90 | 107.40 |
| *580-TWR15-5-15-D48AC | TWR-5/1500-15/250-D48A-C | B    | 48          | 5      | 1.5A    | 118.00     | 115.90 | 107.40 |
| 580-TWR20-5-12D48AC   | TWR-5/3000-12/500-D48A-C | B    | 48          | 5      | 3A      | 93.85      | 93.19  | 92.54  |
| 580-TWR20-5-15D48AC   | TWR-5/3000-15/500-D48A-C | B    | 48          | 5      | 3A      | 93.85      | 93.19  | 92.54  |

## DATL ULQ SERIES, 75-96W ISOLATED SINGLE OUTPUT

### Features:

- Fully isolated, 2250VDC (basic)
- Standard quarter-brick package/pinout
- UL/EN/IEC60950 safety approvals
- Efficiency to 91%



RoHS Compliant

\* Surface Mount Package

For quantities of 25 and up, call for quote.

| MOUSER STOCK NO.     | Datal Part No.   | Fig. | Input Volts (Range) | Output |         | Price Each |       |       |
|----------------------|------------------|------|---------------------|--------|---------|------------|-------|-------|
|                      |                  |      |                     | Volts  | Current | 1          | 5     | 10    |
| 580-ULQ5-15-D24P-C   | ULQ-5/15-D24P-C  | E    | 24 (18-36)          | 5      | 15A     | 83.64      | 76.67 | 70.77 |
| 580-ULQ12-8-D24N-C   | ULQ-12/8-D24N-C  | E    | 24 (18-36)          | 12     | 8A      | 83.64      | 76.67 | 70.77 |
| 580-ULQ12-8-D24P-C   | ULQ-12/8-D24P-C  | E    | 24 (18-36)          | 12     | 8A      | 83.64      | 76.67 | 70.77 |
| *580-ULQ12-10-D48PMC | ULQ-12/10-D48PMC | E    | 48 (36-75)          | 12     | 10A     | 68.00      | 66.67 | 61.54 |

## DATL ULE 20A MODELS, 24-60W ISOLATED SINGLE OUTPUT

### Features:

- Output current 2-30A
- Output Voltage 2.5V to 48V
- New 1/8 brick package
- Input voltage 12V, 24V & 48V



RoHS Compliant

\* Surface Mount Package

For quantities of 25 and up, call for quote.

| MOUSER STOCK NO.      | Datal Part No.     | Fig. | Input Volts (Range) | Output |         | Price Each |       |       |
|-----------------------|--------------------|------|---------------------|--------|---------|------------|-------|-------|
|                       |                    |      |                     | Volts  | Current | 1          | 5     | 10    |
| 580-ULE2.5-20-D24P-C  | ULE2.5/20-D24P-C   | F    | 24V (18-36V)        | 2.5V   | 20A     | 67.15      | 64.43 | 63.20 |
| 580-ULE2.5-20-D48P-C  | ULE2.5/20-D48P-C   | F    | 48V (36-75V)        | 2.5V   | 20A     | 67.15      | 64.43 | 63.20 |
| 580-ULE3.3-20-D12P-C  | ULE-3.3/20-D12P-C  | F    | 12V (9-18V)         | 3.3V   | 20A     | 86.40      | 82.50 | 79.85 |
| 580-ULE3.3-20-D24P-C  | ULE-3.3/20-D24P-C  | F    | 24V (18-36V)        | 3.3V   | 20A     | 67.15      | 64.43 | 63.20 |
| 580-ULE3.3-20-D24N-C  | ULE-3.3/20-D24N-C  | F    | 24V (18-36V)        | 3.3V   | 20A     | 67.15      | 64.43 | 63.20 |
| 580-ULE5-10-D12P-C    | ULE-5/10-D12P-C    | F    | 12V (9-18V)         | 5V     | 10A     | 86.40      | 82.50 | 79.85 |
| 580-ULE5-12-D24P-C    | ULE-5/12-D24P-C    | F    | 24V (18-36V)        | 5V     | 12A     | 67.15      | 64.43 | 63.20 |
| *580-ULE5-12-D48NM-C  | ULE-5/12-D48NM-C   | F    | 48V (36-75V)        | 5V     | 12A     | 67.15      | 64.43 | 63.20 |
| 580-ULE12-4.2-D24P-C  | ULE-12/4.2-D24P-C  | F    | 24V (18-36V)        | 12V    | 4.2A    | 67.15      | 64.43 | 63.20 |
| 580-ULE12-4.2-D48P-C  | ULE-12/4.2-D48P-C  | F    | 48V (36-75V)        | 12V    | 4.2A    | 67.15      | 64.43 | 63.20 |
| 580-ULE48-1.25-D48P-C | ULE-48/1.25-D48P-C | F    | 48V (36-75V)        | 48V    | 1.25A   | 86.40      | 82.50 | 79.85 |

## DATL TMP SERIES, 25-35W ISOLATED TRIPLE OUTPUT

### Features:

- Fully isolated, 1500VDC guaranteed
- Standard pinout, small size
- Efficiencies to 86%
- Meets UL1950 and EN60950 (basic insulation)



RoHS Compliant

For quantities of 25 and up, call for quote.

| MOUSER STOCK NO.  | Datal Part No.     | Fig. | Input Volts (Range) | Output |         | Price Each |        |        |
|-------------------|--------------------|------|---------------------|--------|---------|------------|--------|--------|
|                   |                    |      |                     | Volts  | Current | 1          | 5      | 10     |
| 580-TMP5-12-Q12-C | TMP-5/5-12/1-Q12-C | D    | 24 (10-36)          | 5      | 5A      | 112.00     | 109.30 | 107.12 |
| 580-TMP5-15-Q12-C | TMP-5/5-15/1-Q12-C | D    | 24 (10-36)          | 5      | 5A      | 140.40     | 130.00 | 120.00 |
| 580-TMP5-12-D24-C | TMP-5/5-12/1-D24-C | D    | 24 (18-36)          | 5      | 5A      | 140.40     | 130.00 | 120.00 |
| 580-TMP5-15-D24-C | TMP-5/5-15/1-D24-C | D    | 24 (18-36)          | 5      | 5A      | 140.40     | 130.00 | 120.00 |
| 580-TMP5-12-Q48-C | TMP-5/5-12/1-Q48-C | D    | 48 (18-75)          | 5      | 5A      | 140.40     | 130.00 | 120.00 |
| 580-TMP5-15-Q48-C | TMP-5/5-15/1-Q48-C | D    | 48 (18-75)          | 5      | 5A      | 112.00     | 109.30 | 107.12 |

## DATL UQQ MODEL, 7-25A ISOLATED WIDE INPUT SINGLE OUTPUT

### Features:

- Standard quarter brick package
- 9-36V or 18-75V wide range inputs
- Output currents 7-25A



RoHS Compliant

\* With Baseplate

For quantities of 25 and up, call for quote.

| MOUSER STOCK NO.      | Datal Part No.     | Fig. | Input Volts | Output |         | Price Each |        |        |
|-----------------------|--------------------|------|-------------|--------|---------|------------|--------|--------|
|                       |                    |      |             | Volts  | Current | 1          | 5      | 10     |
| *580-UQQ3325Q12PB-C   | UQQ-3.3/25-Q12PB-C | G    | 12V         | 3.3V   | 25A     | 130.13     | 128.33 | 118.46 |
| *580-UQQ517Q12NB-C    | UQQ-5/17-Q12NB-C   | G    | 12V         | 5V     | 17A     | 140.94     | 130.50 | 120.46 |
| 580-UQQ520-Q48N-C     | UQQ-5/20-Q48N-C    | G    | 48V         | 5V     | 20A     | 124.51     | 115.28 | 106.42 |
| *580-UQQ-128-Q12PB-C  | UQQ-12/8-Q12PB-C   | G    | 12V         | 12V    | 8A      | 130.90     | 128.33 | 118.46 |
| 580-UQQ-12/8-Q48N-C   | UQQ-12/8-Q48N-C    | G    | 48V         | 12V    | 8A      | 124.51     | 115.28 | 106.42 |
| 580-UQQ-15/7-Q12N-C   | UQQ-15/7-Q12N-C    | G    | 12V         | 15V    | 7A      | 131.55     | 121.80 | 112.43 |
| *580-UQQ-15/7-Q12PB-C | UQQ-15/7-Q12PB-C   | G    | 12V         | 15V    | 7A      | 130.13     | 128.33 | 118.46 |
| *580-UQQ-24/4-Q12PB-C | UQQ-24/4-Q12PB-C   | G    | 12V         | 24V    | 4A      | 130.90     | 128.33 | 118.46 |

DC-DC Converters Murata Power Solutions