

MURATA POWER SOLUTIONS DC-DC Converters



RoHS Compliant This product is RoHS compliant.

DATEL® UST SERIES, 3W ISOLATED SINGLE OUTPUT

- Standard DIP package and pinout
- Fully isolated, 1000VDC guaranteed
- Guaranteed efficiencies to 73%
- Internal input/output filtering
- UL1950, C22.2 No. 950, and IEC950 certified

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-UST5-500-D5-C	UST-5/500-D5-C	A	5 (4.5-9)	5	500mA	36.28	35.26	34.75
580-UST12-250-D5-C	UST-12/250-D5-C	A	5 (4.5-9)	12	250mA	44.88	44.08	43.30
580-UST5-500-D12-C	UST-5/500-D12-C	A	12 (9-18)	5	500mA	41.82	41.08	40.36
580-UST12-250-D12-C	UST-12/250-D12-C	A	12 (9-18)	12	250mA	38.56	37.33	35.38
580-UST5-500-D48-C	UST-5/500-D48-C	A	48 (18-72)	5	500mA	37.40	36.81	35.20
580-UST12-250-D48-C	UST-12/250-D48-C	A	48 (18-72)	12	250mA	33.08	32.60	32.18
580-UST15-200-D48-C	UST-15/200-D48-C	A	48 (18-72)	15	200mA	38.03	37.02	35.78

DATEL® BST SERIES, 3W ISOLATED DUAL OUTPUT

- 1000VDC isolation
- Wide range input voltages
- Guaranteed efficiencies to 75%
- Internal input/output filtering
- UL1950, C22.2 No. 950, and IEC950 certified

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-BST15-85-D5-C	BST-15/85-D5-C	A	5 (4.5-9)	±15	±85mA	41.71	40.73	37.97
580-BST12-125-D48-C	BST-12/125-D48-C	A	48 (18-72)	±12	±125mA	37.40	36.30	35.20

DATEL® UWR SERIES, 3-5W ISOLATED SINGLE OUTPUT

- Fully isolated, 1000VDC guaranteed
- No external components required
- Industry-standard pinout
- Guaranteed efficiency to 90%
- UL 1950, CSA 22.2 No. 234, and IEC 950 certified

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-UWR5-500-D12C	UWR-5/500-D12-C	A	12 (9-18)	5	500mA	47.70	45.32	43.99
580-UWR5-1000-D24C	UWR-5/1000-D24-C	B	24 (18-36)	5	1000mA	59.79	58.56	57.74
580-UWR5-500-D48C	UWR-5/500-D48-C	A	48 (18-72)	5	500mA	42.48	41.20	41.01

DATEL® BWR SERIES, 3-5W ISOLATED DUAL OUTPUT

- No external components required
- Fully isolated, 1000VDC guaranteed
- EMI/EMC characterized
- Industry-standard pinout

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-BWR12-125-D12-C	BWR-12/125-D12-C	A	12 (9-18)	±12	±125mA	53.80	52.33	49.23
580-BWR5-500-D24-C	BWR-5/500-D24-C	B	24 (18-36)	±5	±500mA	56.32	54.63	54.37
580-BWR12-210-D24-C	BWR-12/210-D24-C	B	24 (18-36)	±12	±210mA	45.05	44.71	44.37
580-BWR15-165-D24-C	BWR-15/165-D24-C	B	24 (18-36)	±15	±165mA	59.85	58.80	57.75
580-BWR15-100-D48-C	BWR-15/100-D48-C	A	48 (18-72)	±12	±100mA	54.52	49.98	46.14
580-BWR12-125-D48-C	BWR-12/125-D48-C	A	48 (18-72)	±12	±125mA	44.00	43.00	42.00
580-BWR15-165-D48-C	BWR-15/165-D48-C	A	48 (36-72)	±15	±165mA	82.09	75.25	69.46

DATEL® A-SERIES, UWR MODELS, 8-40W ISOLATED SINGLE OUTPUT

- Fully isolated, 1500VDC guaranteed
- Industry-standard pinouts
- Guaranteed efficiencies to 90%

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-UWR5-2-1500-D5AC	UWR-5.2/1500-D5A-C	C	5 (4.7-7.25)	5.2	1.5A	72.45	71.38	70.35
580-UWR5-2000-D12AC	UWR-5/2000-D12A-C	C	12 (9-18)	5	2A	72.45	71.30	70.34

DATEL ULE SERIES, 50-66W ISOLATED SINGLE OUTPUT EIGHTH BRICK

- On/Off control, trim and sense pins
- New 1/8 brick package, 1/4 brick pinout
- Synchronous-rectifier topology delivers: efficiency (to 94%), low noise, stable no load operation, no output reverse condition



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-ULE3.3-20-D24P-C	ULE-3.3/20-D24P-C	D	24 (18-36)	3.3	20A	67.15	64.43	63.20
580-ULE3.3-20-D24N-C	ULE-3.3/20-D24N-C	D	24 (18-36)	3.3	20A	67.15	64.43	63.20
580-ULE5-12-D24P-C	ULE-5/12-D24P-C	D	24 (18-36)	5	12A	67.15	65.84	64.76
580-ULE12-4.2-D24P-C	ULE-12/4.2-D24P-C	D	24 (18-36)	12	4.2A	67.15	64.43	63.20

DIMENSIONS: in.

A

0.80

1.25

0.45

B

1.00

1.00

0.45

C

1.00

2.00

0.375

D

Height: 0.405

0.89

2.22

Murata Power Solutions DC-DC Converters

