

# 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
  - Guaranteed efficiencies to 73%
  - UL1950, C22.2 No. 950, and IEC950 certified
  - Fully isolated, 1000VDC guaranteed
  - Internal input/output filtering
- For quantities of 25 and up, 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			
580-UST12-250-D5-C	UST-12/250-D5-C	A	5 (4.5-9)	12	250mA			
580-UST5-500-D12-C	UST-5/500-D12-C	A	12 (9-18)	5	500mA			
580-UST12-250-D12-C	UST-12/250-D12-C	A	12 (9-18)	12	250mA			
580-UST15-200-D12-C	UST-15/200-D12-C	A	12 (9-18)	15	200mA			
580-UST5-500-D48-C	UST-5/500-D48-C	A	48 (18-72)	5	500mA			
580-UST12-250-D48-C	UST-12/250-D48-C	A	48 (18-72)	12	250mA			
580-UST15-200-D48-C	UST-15/200-D48-C	A	48 (18-72)	15	200mA			

## DATel® BST SERIES, 3W ISOLATED DUAL OUTPUT

- 1000VDC isolation
  - Guaranteed efficiencies to 75%
  - UL1950, C22.2 No. 950, and IEC950 certified
  - Wide range input voltages
  - Internal input/output filtering
- For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-BST-12-105-D5-C	BST-12/105-D5-C	A	5 (4.5-9)	±12	±105mA			
580-BST15-85-D5-C	BST-15/85-D5-C	A	5 (4.5-9)	±15	±85mA			
580-BST5-250-D12-C	BST-5/250-D12-C	A	12 (9-18)	±5	±250mA			
580-BST12-125-D12-C	BST-12/125-D12-C	A	12 (9-18)	±12	±125mA			
580-BST15-100-D12-C	BST-15/100-D12-C	A	12 (9-18)	±15	±100mA			
580-BST5-250-D48-C	BST-5/250-D48-C	A	48 (18-72)	±5	±250mA			
580-BST12-125-D48-C	BST-12/125-D48-C	A	48 (18-72)	±12	±125mA			
580-BST15-100-D48-C	BST-15/100-D48-C	A	48 (18-72)	±15	±100mA			

## DATel® UWR SERIES, 3-5W ISOLATED SINGLE OUTPUT

- Fully isolated, 1000VDC guaranteed
  - Industry-standard pinout
  - UL 1950, CSA 22.2 No. 234, and IEC 950 certified
  - No external components required
  - Guaranteed efficiency to 90%
- For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	UWR Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-UWR5-500-D5C	UWR-5/500-D5-C	A	5 (4.5-9)	5	500mA			
580-UWR5-500-D12C	UWR-5/500-D12-C	A	12 (9-18)	5	500mA			
580-UWR5-1000-D24C	UWR-5/1000-D24-C	B	24 (18-36)	5	1000mA			
580-UWR12-420-D24C	UWR-12/420-D24-C	B	24 (18-36)	12	420mA			
580-UWR15-335-D24C	UWR-15/335-D24-C	B	24 (18-36)	15	335mA			
580-UWR5-500-D48C	UWR-5/500-D48-C	A	48 (18-72)	5	500mA			
580-UWR5-1000-D48C	UWR-5/1000-D48-C	B	48 (36-72)	5	1000mA			
580-UWR12-250-D48C	UWR-12/250-D48-C	A	48 (18-72)	12	250mA			

## DATel® BWR SERIES, 3-5W ISOLATED DUAL OUTPUT

- No external components required
  - EMI/EMC characterized
  - Fully isolated, 1000VDC guaranteed
  - Industry-standard pinout
- For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	BWR Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-BWR12-105-D5-C	BWR-12/105-D5-C	A	5 (4.5-9)	±12	±105mA			
580-BWR12-125-D12-C	BWR-12/125-D12-C	A	12 (9-18)	±12	±125mA			
580-BWR15-100-D12-C	BWR-15/100-D12-C	A	12 (9-18)	±15	±100mA			
580-BWR5-500-D24-C	BWR-5/500-D24-C	B	24 (18-36)	±5	±500mA			
580-BWR12-210-D24-C	BWR-12/210-D24-C	B	24 (18-36)	±12	±210mA			
580-BWR15-165-D24-C	BWR-15/165-D24-C	B	24 (18-36)	±15	±165mA			
580-BWR5-250-D48-C	BWR-5/250-D48-C	A	48 (18-72)	±5	±250mA			
580-BWR15-100-D48-C	BWR-15/100-D48-C	A	48 (18-72)	±12	±100mA			
580-BWR12-125-D48-C	BWR-12/125-D48-C	A	48 (18-72)	±12	±125mA			
580-BWR15-165-D48-C	BWR-15/165-D48-C	A	48 (36-72)	±15	±165mA			

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

- Fully isolated, 1500VDC guaranteed
  - Industry-standard pinouts
  - Guaranteed efficiencies to 90%
- For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	A-Series Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-UWR5-1600-D5AC	UWR-5/1600-D5A-C	C	5 (4.7-7.25)	5	1.6A			
580-UWR5-3000-D5AC	UWR-5/3000-D5A-C	D	5 (4.7-7.25)	5	3A			
580-UWR5.2-1500-D5AC	UWR-5.2/1500-D5A-C	C	5 (4.7-7.25)	5.2	1.5A			
580-UWR12-665-D5AC	UWR-12/665-D5A-C	C	5 (4.7-7.25)	12	665mA			
580-UWR12-1250-D5AC	UWR-12/1250-D5A-C	D	5 (4.7-7.25)	12	1.25A			
580-UWR15-530-D5AC	UWR-15/530-D5A-C	C	5 (4.7-7.25)	15	530mA			
580-UWR3.34250D12AC	UWR-3.3/4250-D12A-C	E	12 (9-18)	3.3	4.25A			
580-UWR5-2000-D12AC	UWR-5/2000-D12A-C	C	12 (9-18)	5	2A			
580-UWR3000-D12A-C	UWR-5/3000-D12A-C	E	12 (9-18)	5	3A			
580-UWR5-4000-D12AC	UWR-5/4000-D12A-C	D	12 (9-18)	5	4A			
580-UWR5-7-D12AC	UWR-5/7-D12A-C	D	12 (9-18)	5	7A			
580-UWR15-665-D12AC	UWR-15/665-D12A-C	C	12 (9-18)	15	665mA			
580-UWR1000-D12A-C	UWR-15/1000-D12A-C	E	12 (9-18)	15	1A			
580-UWR3.34250D24AC	UWR-3.3/4250-D24A-C	E	24 (18-36)	3.3	4.25A			
580-UWR5-2000-D24EC	UWR-5/2000-D24E-C	C	24 (18-36)	5	2A			
580-UWR5-8-D24AC	UWR-5/8-D24A-C	D	24 (18-36)	5	8A			
580-UWR12500-D24A-C	UWR-12/1250-D24A-C	E	24 (18-36)	12	1.25A			
580-UWR12-1650-D12AC	UWR-12/1650-D12A-C	D	24 (18-36)	12	1.65A			
580-UWR1000-D24A-C	UWR-15/1000-D24A-C	E	24 (18-36)	15	1A			
580-UWR15-1300-D12AC	UWR-15/1300-D12A-C	D	24 (18-36)	15	1.3A			
580-UWR5-1800-D48AC	UWR-5/1800-D48A-C	C	48 (18-75)	5	1.8A			
580-UWR5-4000-D48AC	UWR-5/4000-D48A-C	D	48 (18-75)	5	4A			
580-UWR5-8-D48AC	UWR-5/8-D48A-C	D	48 (36-75)	5	8A			
580-UWR12-1650-D48AC	UWR-12/1650-D48A-C	D	48 (18-75)	12	1.65A			
580-UWR15-600-D48AC	UWR-15/600-D48A-C	C	48 (18-75)	15	600mA			
580-UWR1000-D48A-C	UWR-15/1000-D48A-C	E	48 (36-75)	15	1A			

## DATel UEP SERIES, 15-18W ISOLATED SINGLE OUTPUT

- Fully isolated 1500VDC, I/O protected
  - UL1950/EN60950 certified
  - Efficiencies to 89%
  - Trim and On/Off control
- For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	UEP Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-UEP5-3500-D12-C	UEP-5/3500-D12-C	F	12 (10-18)	5	3.5A			
580-UEP3.3-4500-D24C	UEP-3.3/4500-D24-C	F	24 (18-36)	3.3	4.5A			
580-UEP5-3500-D24-C	UEP-5/3500-D24-C	F	24 (18-36)	5	3.5A			
580-UEP12-1400-D24-C	UEP-12/1400-D24-C	F	24 (18-36)	12	1.4A			
580-UEP15-1200-D24-C	UEP-15/1200-D24-C	F	24 (18-36)	15	1.2A			

