

MURATA POWER SOLUTIONS DC-DC Converters



RoHS Compliant This product is RoHS compliant.

DATEL BEI15 SERIES, 15W ISOLATED DUAL OUTPUT

- Industry standard DOSA Sixteenth-brick format and pinout
- High efficiency synchronous rectifier forward topology
- 2250V basic input/output isolation
- Operating temperature range -40 to 85°C with derating
- Extensive self-protection shut down features
- Stable no-load operation with no required external components
- N for negative polarity or P for positive polarity



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-ULS-3.3/20-D48NC	ULS-3.3/20-D48N-C	A	48 (36-75)	3.3	20A			
580-ULS-3.3/20-D48PC	ULS-3.3/20-D48P-C	A	48 (36-75)	3.3	20A			
580-ULS-5/12-D48N-C	ULS-5/12-D48N-C	A	48 (36-75)	5	12A			
580-ULS-5/12-D48P-C	ULS-5/12-D48P-C	A	48 (36-75)	5	12A			
580-ULS-12/5-D48N-C	ULS-12/5-D48N-C	A	48 (36-75)	12	5A			
580-ULS-12/5-D48P-C	ULS-12/5-D48P-C	A	48 (36-75)	12	5A			

DATEL A-SERIES, BWR MODELS, 7-33W ISOLATED DUAL OUTPUT

- Industry-standard pinouts
- Fully isolated, 1500VDC guaranteed
- Guaranteed efficiencies to 82%
- Designed to meet UL/EN60950

For quantities of 25 and up, call for quote.

580-BWR5-700-D5A-C	BWR-5/700-D5A-C	B	5 (4.7-7.25)	±5	±700mA			
580-BWR12-335-D5A-C	BWR-12/335-D5A-C	B	5 (4.7-7.25)	±12	±335mA			
580-BWR12-625-D5A-C	BWR-12/625-D5A-C	C	5 (4.7-7.25)	±12	±625mA			
580-BWR15-275-D5A-C	BWR-15/275-D5A-C	B	5 (4.7-7.25)	±15	±275mA			
580-BWR15-500-D5A-C	BWR-15/500-D5A-C	C	5 (4.7-7.25)	±15	±500mA			
580-BWR5-900-D12A-C	BWR-5/900-D12A-C	B	12 (9-18)	±5	±900mA			
580-BWR1500-D12A-C	BWR-5/1500-D12A-C	D	12 (10-18)	±5	±1500mA			
580-BWR12-415-D12A-C	BWR-12/415-D12A-C	B	12 (9-18)	±12	±415mA			
580-BWR725-D12A-C	BWR-12/725-D12A-C	D	12 (10-18)	±12	±725mA			
580-BWR15-330-D12A-C	BWR-15/330-D12A-C	B	12 (9-18)	±15	±330mA			
580-BWR5-1700-D12A-C	BWR-5/1700-D12A-C	C	24 (9-36)	±5	±1700mA			
580-BWR1500-D24A-C	BWR-5/1500-D24A-C	D	24 (18-36)	±5	±1500mA			
580-BWR12-830-D12A-C	BWR-12/830-D12A-C	C	24 (9-36)	±12	±830mA			
580-BWR725-D24A-C	BWR-12/725-D24A-C	D	24 (18-36)	±12	±725mA			
580-BWR15-670-D12A-C	BWR-15/670-D12A-C	C	24 (9-36)	±15	±670mA			
580-BR15-575-D24A-C	BWR-15/575-D24A-C	D	24 (18-36)	±15	±575mA			
580-BWR5-700-D48A-C	BWR-5/700-D48A-C	B	48 (18-75)	±5	±700mA			
580-BWR5-1700-D48A-C	BWR-5/1700-D48A-C	C	48 (18-75)	±5	±1700mA			
580-BWR12-415-D48A-C	BWR-12/415-D48A-C	B	48 (18-75)	±12	±415mA			
580-BWR12-830-D48A-C	BWR-12/830-D48A-C	C	48 (18-75)	±12	±830mA			
580-BWR15-330-D48A-C	BWR-15/330-D48A-C	B	48 (18-75)	±15	±330mA			
580-BWR575-D48A-C	BWR-15/575-D48A-C	D	48 (36-75)	±15	±575mA			
580-BWR15-670-D48A-C	BWR-15/670-D48A-C	C	48 (18-75)	±15	±670mA			
580-BWR5-3.3-D12-C	BWR-5/6-3.3/7-D12-C	C	12 (10-18)	5	6A			
				3.3	7A			
580-BWR5-3.3-D24A-C	BWR-5/3-3.3/4.25-D24A-C	E	24 (18-36)	5	3A			
				3.3	4.25A			
580-BWR5-3.3-D24-C	BWR-5/6-3.3/7-D24-C	C	24 (18-36)	5	6A			
				3.3	7A			

DATEL UMP SERIES, 25-35W ISOLATED SINGLE OUTPUT

- Fully isolated, 1500VDC guaranteed
- Standard pinout, smaller size
- Efficiency to 86%
- Meets UL1950/EN60950 (basic insulation)

For quantities of 25 and up, call for quote.

580-UMP5-5-Q12-C	UMP-5/5-Q12-C	F	24 (10-36)	5	5A			
580-UMP5-7-D24-C	UMP-5/7-D24-C	F	24 (18-36)	5	7A			

DATEL DSM/DWR SERIES, 15W ISOLATED DUAL OUTPUT

- 1"x2" SMT or through-hole package
- Fully isolated, 1500VDC guaranteed
- UL/EN60950 safety approvals
- Efficiency to 85%

For quantities of 25 and up, call for quote.

580-DSM5-3.3-D12-C	DSM-5/2.65-3.3/3-D12-C	G	12 (10-18)	5	2.65A			
				3.3	3.00A			
580-DWR52653.33D24-C	DWR-5/2.65-3.3/3-D24-C	H	24 (18-36)	5	2.65A			
				3.3	3.00A			

DATEL UHE SERIES, 25-30W ISOLATED SINGLE OUTPUT

- Small 1.6" x 2" package with standard 2" x 2" pinout
- 1500VDC isolation
- "Q" models offer wide input ranges
- Stable no-load operation
- Thermal shutdown, I/O protected
- Efficiencies as high as 91.5%
- UL/EN60950 certified

580-UHE12-2500-D12C	UHE-12/2500-D12-C	I	12 (9-18)	12	2.5A			
580-UHE15-2000-D12C	UHE-15/2000-D12-C	I	12 (9-18)	15	2A			
580-UHE12-2500-D24C	UHE-12/2500-D24-C	I	24 (18-36)	12	2.5A			
580-UHE15-2000-D24C	UHE-15/2000-D24-C	I	24 (18-36)	15	2A			
580-UHE3.3-7500-D48C	UHE-3.3/7500-D48-C	I	48 (36-75)	3.3	7.5A			
580-UHE12-2500-D48C	UHE-12/2500-D48-C	I	48 (36-75)	12	2.5A			
580-UHE15-2000-D48C	UHE-15/2000-D48-C	I	48 (36-75)	15	2A			
580-UHE3.3-7500-Q12C	UHE-3.3/7500-Q12-C	I	24 (9-36)	3.3	7.5A			
580-UHE5-5000-Q12C	UHE-5/5000-Q12-C	I	24 (9-36)	5	5A			
580-UHE12-2500-Q12C	UHE-12/2500-Q12-C	I	24 (9-36)	12	2.5A			
580-UHE15-2000-Q12C	UHE-15/2000-Q12-C	I	24 (9-36)	15	2A			
580-UHE3.3-7500-Q48C	UHE-3.3/7500-Q48-C	I	48 (18-75)	3.3	7.5A			
580-UHE5-5000-Q48C	UHE-5/5000-Q48-C	I	48 (18-75)	5	5A			
580-UHE12-2500-Q48C	UHE-12/2500-Q48-C	I	48 (18-75)	12	2.5A			
580-UHE15-2000-Q48C	UHE-15/2000-Q48-C	I	48 (18-75)	15	2A			

DATEL BMP SERIES, 39-40W ISOLATED DUAL OUTPUT

- Standard pinout, small size
- Fully isolated, 1500VDC guaranteed
- Efficiencies to 88%
- Meets UL1950/EN60950 (basic insulation)

For quantities of 25 and up, call for quote.

580-BMP15-1.3-D24-C	BMP-15/1.3-D24-C	F	24 (18-36)	±15	±1.3A			
580-BMP12-1.65-Q12-C	BMP-12/1.65-Q12-C	F	24 (10-36)	±12	±1.65A			
580-BMP15-1.3-Q12-C	BMP-15/1.3-Q12-C	F	24 (10-36)	±15	±1.3A			
580-BMP15-1.3-Q48-C	BMP-15/1.3-Q48-C	F	48 (18-75)	±15	±1.3A			

