

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS⁽¹⁾

Model	Nominal Input Voltage (VDC)	Rated Output Voltage (VDC)	Rated Output Current (mA)	Maximum Input Current (mA)
✓ PWR100	5	5	90	180
✓ PWR101		12	38	180
✓ PWR102		15	30	180
✓ PWR103		±5	±45	180
✓ PWR104		±12	±19	180
✓ PWR105	±15	±15	180	
✓ PWR106	12	5	90	75
✓ PWR107		12	38	75
✓ PWR108		15	30	75
✓ PWR109		±5	±45	75
✓ PWR110		±12	±19	75
✓ PWR111	±15	±15	75	
✓ PWR112	15	5	90	60
✓ PWR113		12	38	60
✓ PWR114		15	30	60
✓ PWR115		±5	±45	60
✓ PWR116		±12	±19	60
✓ PWR117	±15	±15	60	
✓ PWR118	24	5	90	40
✓ PWR119		12	38	40
✓ PWR120		15	30	40
✓ PWR121		±5	±45	40
✓ PWR122		±12	±19	40
✓ PWR123	±15	±15	40	
✓ PWR124	28	5	90	35
✓ PWR125		12	38	35
✓ PWR126		15	30	35
✓ PWR127		±5	±45	35
✓ PWR128		±12	±19	35
✓ PWR129	±15	±15	35	
✓ PWR130	48	5	90	20
✓ PWR131		12	38	20
✓ PWR132		15	30	20
✓ PWR133		±5	±45	20
✓ PWR134		±12	±19	20
✓ PWR135	±15	±15	20	

COMMON SPECIFICATIONS⁽¹⁾

Parameter	Conditions	Min	Typ	Max	Units
INPUT					
Voltage Range		±20% of Rated Input			
Input Ripple Current	$I_{LOAD} = \text{Rated Load}$		30		mA, p-p
ISOLATION					
Rated Voltage		1000			VDC
Test Voltage	60Hz, 60 seconds	3000			V _{PK}
Resistance			10		GΩ
Capacitance			25		pF
Leakage Current	$V_{ISO} = 240VAC$			5	μA
OUTPUT					
Voltage Accuracy	$I_{LOAD} = \text{Rated Load}$			±5	%
Voltage (No Load)	$V_{OUT} = 5$ Models			7	VDC
	$V_{OUT} = 12$ Models			15	VDC
	$V_{OUT} = 15$ Models			18	VDC
Ripple Voltage	$I_{LOAD} = \text{Rated Load}$		50		mV, p-p
Line Regulation			1		%/%
TEMPERATURE					
Specification		-25		+85	°C
Operation		-40		+100	°C
Storage		-55		+125	°C

NOTE (1) Specifications typical at $T_A = +25^\circ C$, nominal input voltage, and rated output current unless otherwise noted.

ABSOLUTE MAXIMUM RATINGS

Input Voltage	120% × Rated voltage
Output Short-Circuit Duration	Continuous to output common
Internal Power Dissipation	1W
Junction Temperature	+175°C
Package Thermal Resistance	90°C/W
Lead Temperature (soldering, 10 seconds)	+300°C

MECHANICAL

Top View: Dimensions are 1.125 ± 0.015 (28.58 ± 0.38) inches by 1.125 ± 0.015 (28.58 ± 0.38) inches. The component features the Burr-Brown logo and the model number PWR1XX. A note indicates it is marked with a specific model number ordered.

Bottom View: Shows a 5-pin configuration on a grid. Pin 4 is noted as missing on single output models.

Side View: Dimensions include a maximum height of 0.410 (10.41) inches, a minimum height of 0.170 (4.32) inches, and a width of 0.040 ± 0.003 (1.02 ± 0.08) inches.

NOTES:
 All dimensions are in inches (millimeters)
 GRID: 0.100 inches (2.54 millimeters)
MATERIAL: Low thermal resistance molding compound which has excellent chemical resistance, wide operating temperature range and good electrical properties under high humidity environments. Lead material is brass with a hot-solder-dipped surface to allow ease of solderability.