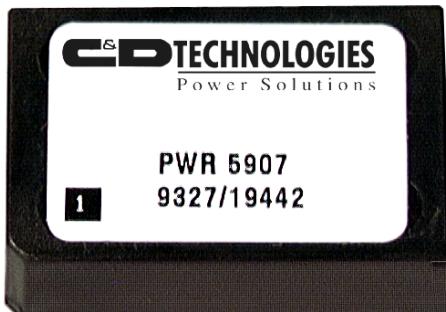
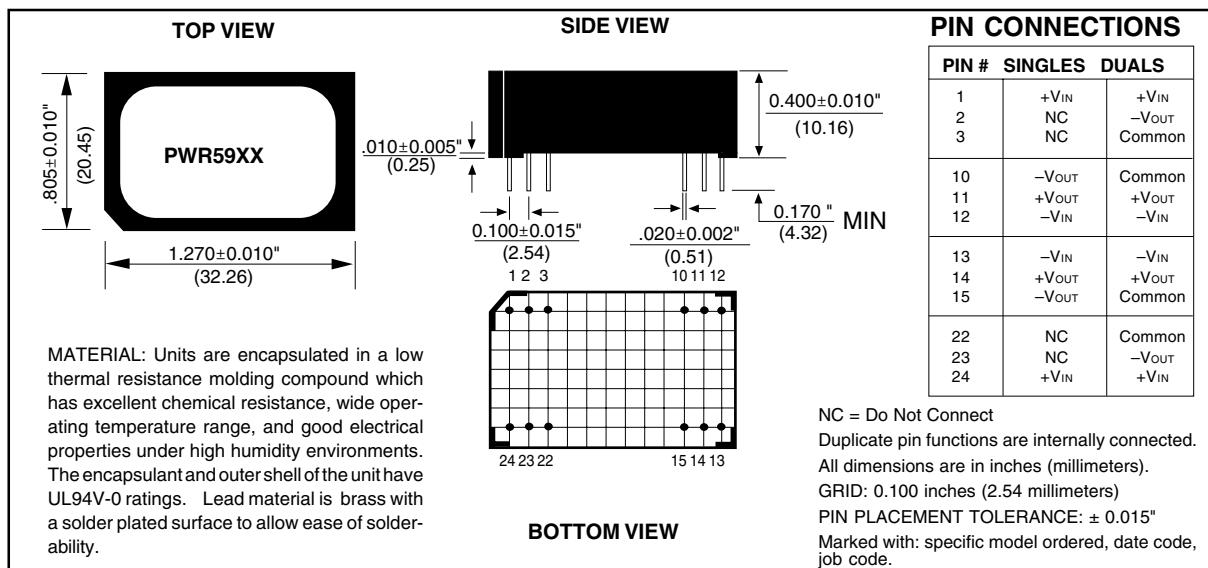


.5 - 1.0 WATT DUAL-IN-LINE**REGULATED DC/DC CONVERTER****PWR59XX****FEATURES**

- High Reliability
- 24-Pin DIP Package
- Internal Input and Output Filtering
- Short-Circuit Current Limiting
- Thermal Overload Protection
- Built-In Standoffs
- Industry Standard Pinout

MECHANICAL

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ELECTRICAL SPECIFICATIONS

Specifications typical at $T_A = +25^\circ\text{C}$, nominal input voltage, and rated output current unless otherwise specified.

MODEL	NOMINAL INPUT VOLTAGE (Vdc)	RATED OUTPUT VOLTAGE (Vdc)	RATED OUTPUT CURRENT (mA)	INPUT CURRENT		REFLECTED RIPPLE CURRENT (mA _{p-p})	EFFICIENCY (%)	RATED OUTPUT POWER (mW)
				NO LOAD (mA)	RATED LOAD (mA)			
PWR5900	5	5	100	40	175	10	57	500
PWR5901	5	9	111	40	345	10	57	1000
PWR5902	5	12	83	40	345	10	57	1000
PWR5903	5	15	67	40	345	10	57	1000
PWR5904	5	± 5	± 50	40	175	10	57	500
PWR5905	5	± 12	± 42	40	345	10	57	1000
PWR5906	5	± 15	± 33	40	345	10	57	1000
PWR5907	12	5	100	35	100	30	42	500
PWR5908	12	9	111	35	170	30	49	1000
PWR5909	12	12	83	35	150	30	55	1000
PWR5910	12	15	67	35	150	30	55	1000
PWR5911	12	± 5	± 50	35	76	30	55	500
PWR5912	12	± 12	± 42	35	150	30	55	1000
PWR5913	12	± 15	± 33	35	150	30	55	1000
PWR5914	15	5	100	30	76	20	44	500
PWR5915	15	9	111	30	135	20	50	1000
PWR5916	15	12	83	30	120	20	55	1000
PWR5917	15	15	67	30	120	20	55	1000
PWR5918	15	± 5	± 50	30	60	20	55	500
PWR5919	15	± 12	± 42	30	120	20	55	1000
PWR5920	15	± 15	± 33	30	120	20	55	1000
PWR5921	24	5	100	15	43	10	48	500
PWR5922	24	9	111	15	83	10	50	1000
PWR5923	24	12	83	15	73	10	55	1000
PWR5924	24	15	67	15	73	10	55	1000
PWR5925	24	± 5	± 50	15	40	10	55	500
PWR5926	24	± 12	± 42	15	73	10	60	1000
PWR5927	24	± 15	± 33	15	73	10	60	1000

Note: Other input to output voltages may be available. Please consult factory.

COMMON SPECIFICATIONS

Specifications typical at $T_A = +25^\circ\text{C}$, nominal input voltage, and rated output current unless otherwise specified.

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
INPUT					
Input Voltage Range		4.75 11.4 14.25 22.8	5 12 15 24	5.25 12.6 15.75 25.2	Vdc
ISOLATION					
Rated Voltage					Vdc
Test Voltage	60 Hz, 10 Seconds	750 750			Vpk
Resistance			10		GW
Capacitance			50		pF
Leakage Current	$V_{ISO} = 240\text{VAC}, 60\text{Hz}$		4		$\mu\text{A rms}$
OUTPUT					
Voltage Setpoint Accuracy	Rated Load, Nominal V_{IN}			± 5	%
Temperature Coefficient			± 0.02		$^\circ\text{C}$
Ripple & Noise (BW = DC to 20MHz)	No External Components 10 μF Across Each Output 10 μF Across Each Output	50 5 10		20	mVp-p mVrms mVp-p
Line Regulation			± 0.3		%
Load Regulation	No Load to Rated Load		± 0.4		%
GENERAL					
Switching Frequency	All Models Except 24 V_{IN} 24 V_{IN} Models	500 200 900 11			kHz
MTTF per MIL-HDBK-217, Rev. E*					kHr
Package Weight					g
TEMPERATURE					
Specification		-25	+25	+85	$^\circ\text{C}$
Operation		-40		+100	$^\circ\text{C}$
Storage		-40		+110	$^\circ\text{C}$

ABSOLUTE MAXIMUM RATINGS

Output Short-Circuit Duration	Continuous
Internal Power Dissipation	1.5W
Lead Soldering Temperature (10seconds, max)	+300°C

ORDERING INFORMATION

Device Family	PWR 59XX /H
PWR Indicates DC/DC Converter	
Model Number	
Selected from Table of Electrical Characteristics	
Screening Option	