

## P5WDC12 DC to DC Power Supply Module

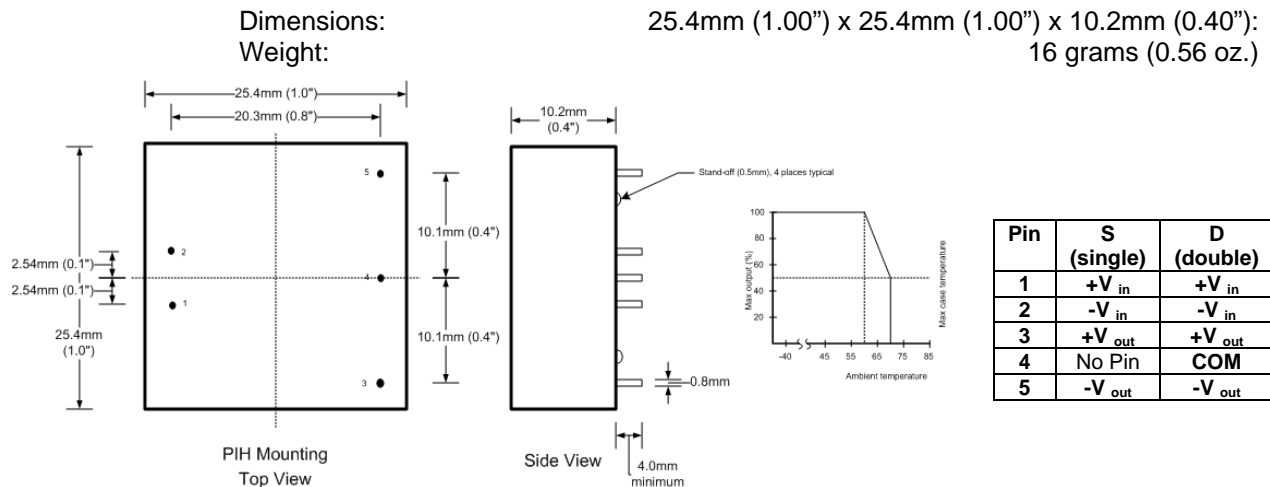
### Specifications:

<b>Input Voltage:</b>		9 to 18VDC
<b>Output:</b>	Voltage set point accuracy	-1% to +1.5%
	Rated power (maximum):	5 watts
	Ripple & Noise (P-P):	$\pm 1\%$ of $V_{out}$ in mV maximum (20 MHz bandwidth)
	Line (Voltage) Regulation:	$\pm 0.5\%$
	Load Regulation:	$\pm 1.0\%$
	Temperature coefficient:	$\pm 0.02\%/^{\circ}\text{C}$
<b>Protection:</b>	Isolation Voltage (input - output):	1,500VDC
	Resistance (input - output):	1 G ohms minimum
	Isolation capacitance:	100 pF maximum
	Continuous short circuit/ overload protection – auto recovery	
<b>Environmental:</b>	Operating Temperature:	-25°C to +70°C
	Storage Temperature:	-40°C to +100°C
	Humidity (non-condensing):	95% RH

### RoHS compliant

*All specifications at nominal line voltage, full load and +25°C unless otherwise specified.*

### Physical



Model	Output	Current	Efficiency
P5WDC12S05A	+5.1V	1,000mA	74%
P5WDC12S12A	+12V	417mA	78%
P5WDC12S24A	+24V	208mA	80%
P5WDC12D12A	+12V & -12V	208mA	80%
P5WDC12D15A	+15V & -15V	167mA	81%

**Custom power supply designs** are available to meet the specific application requirements. For a no obligation technical evaluation, please provide the specific performance requirements to [engineering@tichenassociates.com](mailto:engineering@tichenassociates.com) or the address below.