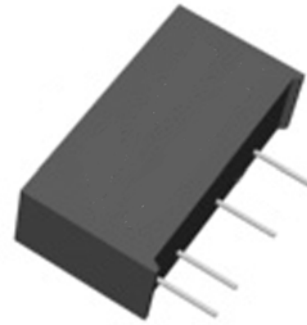


1000VDC SINGLE OUTPUT 2W BLS SERIES DC-DC CONVERTER

Features:

- >>SIP7 SIP Package
- >>Single Output
- >>NO Heat Sink Required
- >>1000VDC Isolation
- >>Fixed Input
- >>Unregulated Output
- >>PCB Mounting
- >>UL 94V-0 Package Material
- >>Output Power: 2W



All specifications tested typically @ 25°C, humidity<75%, nominal input and rated output unless otherwise specified.

INPUT SPECIFICATIONS

Input Range: $\pm 10\%$

Filter: Ceramic capacitors

OUTPUT SPECIFICATIONS

Items:	Testing condition	Min	Typ	Max
Output Accuracy	At full load and nominal Vin			$\pm 5\%$
Continued Short Circuit Time	$< 1S$			
Line Voltage Calibration	For Vin change of 1%			$\pm 1.2\%$
Load Voltage Calibration	From 20% to full load			$\pm 8\%$
Ripple and Noise	20MHz bandwidth			100 mV p-p
Temperature Coefficient				$\pm 0.02\% / ^\circ C$
Switching Frequency			125KHz	

COMMON SPECIFICATIONS

Items	Testing condition	Min	Typ.	Max
Operating Temperature Range		$-40^\circ C$		$+85^\circ C$
Storage Temperature Range		$-55^\circ C$		$+125^\circ C$
Humidity				$< 90\%$
Cooling	Free Air Convection			
Leak Current	$< 1mA$			
Isolation Voltage (VDC)	Input to Output		1,000	
Isolation Resistance (Ohms)			10^9	
Isolation Capacitance (pf)			60	
Efficiency (%)	See Product List	70		85
Case Material	Non-conductive black plastic			
Potting Material	Epoxy Resin UL94-V0			
Packing Material	Tube			
Dimension (mm / inch) (L*W*H)	SIP: 19.6*7.00*10.00 (0.77*0.28*0.39)			
Weight (G)	3.0			
MTBF (Hrs)	$> 1,000,000$			

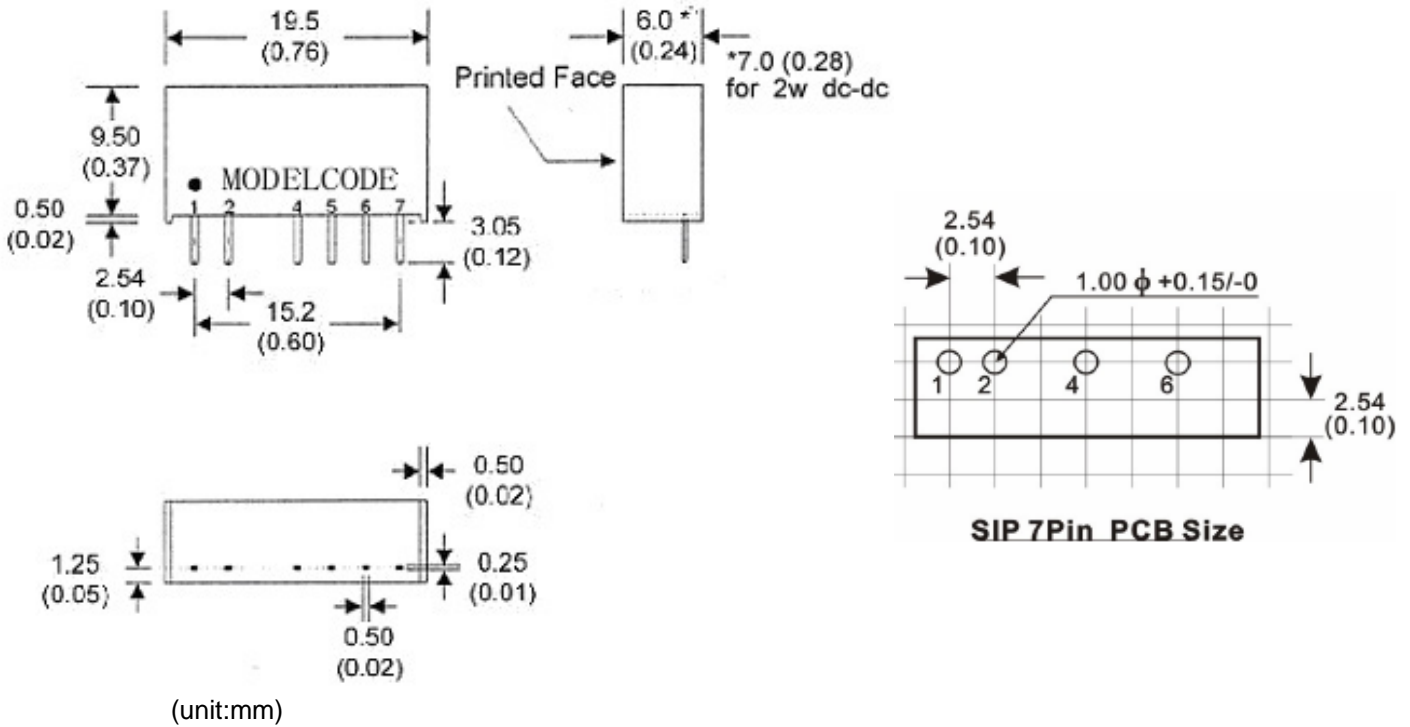
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PRODUCT LIST

Part No.	Vin(VDC)	Iin (No-load)(mA)	Iin (Full-load)(mA)	Vout (VDC)	Iout (max.mA)	Eff. (%TYPE)
B0503LS-2W	5	28	727	3.3	606	70
B0505LS-2W	5	28	555	5	400	75
B0512LS-2W	5	26	470	12	167	80
B1205LS-2W	12	22	228	5	400	75
B1212LS-2W	12	20	208	12	167	80
B1215LS-2W	12	18	204	15	133	78
B2405LS-2W	24	10	113	5	400	75
B2412LS-2W	24	9	101	12	167	82
B2415LS-2W	24	8	100	15	133	85

If need other input and output, please specified.

PCB Diagram and Footprint Function



SIP	Connection	
	1	+Vin
2	GND	Input-
3		No PIN
4	0V	Output-
5		No PIN
6	+VO	Output+
7		No PIN

Temperature Derating Graph

