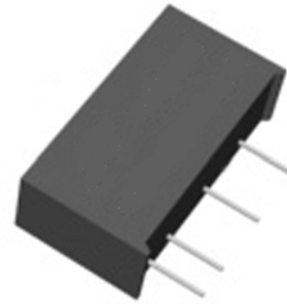


1000VDC SINGLE OUTPUT 0.25W BLS SERIES DC-DC CONVERTER

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: 0.25W



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			150 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°C		+85°C
Storage Temperature Range		-55°C		+125°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	61		65
Case Material	Non-conductive black plastic			
Potting Material	Epoxy Resin UL94-V0			
Packing Material	Tube			
Dimension (mm / inch) (L*W*H)	SIP: 19.6*6.00*10.00 (0.77*0.23*0.39)			
Weight (G)	3.0			
MTBF (Hrs)	$> 1,000,000$			

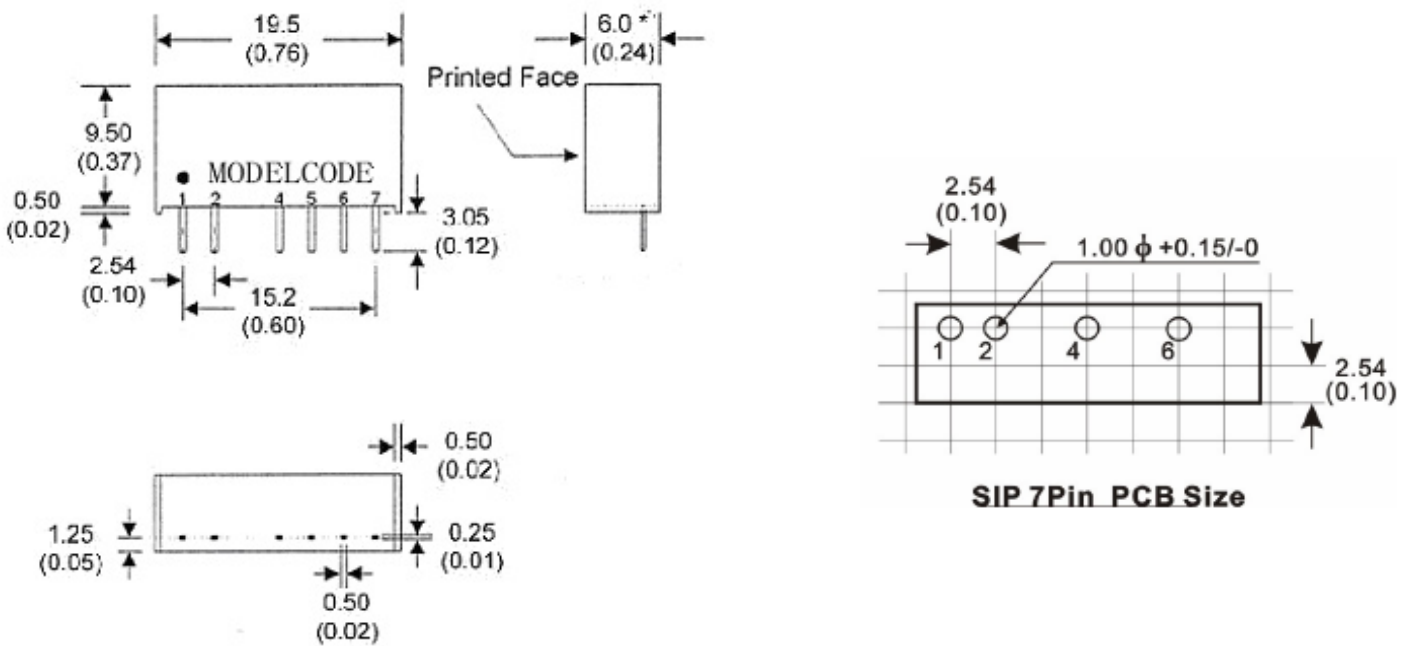
1000VDC SINGLE OUTPUT 0.25W BLS SERIES DC-DC CONVERTER

PRODUCT LIST

Part No.	Vin(VDC)	Iin (No-load)(mA)	Iin (Full-load)(mA)	Vout (VDC)	Iout (max.mA)	Eff. (%TYPE)
B0505LS-W25	5	7	81	5	50	62
B1205LS-W25	12	6	34	5	50	62
B1212LS-W25	12	5	35	12	21	61
B1215LS-W25	12	7	32	15	17	62
B2405LS-W25	24	5	17	5	50	62
B2412LS-W25	24	4	16	12	21	63
B2415LS-W25	24	4	15	15	17	65

If need other input and output, please specified.

PCB Diagram and Footprint Function



(unit:mm)

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

Temperature Derating Graph

