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	REV	DESCRIPTION	DATE	APPROVED
	A	INITIAL RELEASE, RFS.5274, DMR	12/28/04	DMR

**1. NOTES:**

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

**2. ELECTRICAL SPECIFICATIONS:**

INPUT VOLTAGE: 5 VDC ± 10%  
 INPUT CURRENT: < 0.35A


OUTPUT VOLTAGE / CURRENT: +12.0 VDC @ 84 mA

OUTPUT CURRENT : NO LOAD TO FULL LOAD, 10% MINIMUM LOAD REQUIRED TO MAINTAIN SPECIFIED REGULATION

OUTPUT POWER (RATED): 1 WATTS MAX  
 SWITCHING FREQUENCY: 100 MHz TYP.  
 OUTPUT RIPPLE (PEAK TO PEAK): 20 MHz BAND LIMITED  
 ≤ 150mV @ Iv = 3.3 VDC AND 48.0VDC  
 ≤ 100mV @ Iv = 5.0 VDC AND 24.0VDC

OUTPUT VOLTAGE ACCURACY: ≤ ± 5%  
 OUTPUT REGULATION (LINE/LOAD): ± 5 % MEASURED AT O/P PINS  
 LINE REGULATION: ± 1.2% / 1% OF Vin MAX AT FULL LOAD  
 LOAD REGULATION: 15% MAX AT FULL LOAD  
 TURN ON/ TURN OFF OVERSHOOT: 4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD  
 TURN-ON DELAY: 1 SEC MAX  
 EFFICIENCY: 70 %

ISOLATION RESISTANCE: 100 Mohm MIN @ 500 VDC  
 DIELECTRIC WITHSTAND VOLTAGE: 1000 VDC MIN. PRIMARY TO SECONDARY  
 OPERATING TEMPERATURE: 0°C TO 70° C  
 STORAGE TEMPERATURE: -20°C TO 80° C  
 HUMIDITY: 0 TO 95% RELATIVE HUMIDITY

Foot Note: Globtek Inc. will not be liable for the safety and performance of these power supplies if unauthorized access and repair occurs. End user should consult for the proper installation instruction the applicable UL,CSA and EN standards.  Limitation of Use: Globtek product are not authorized for use as mission critical components in life support, hazardous environment, nuclear or aircraft applications without prior written approval from the CEO of Globtek Inc.  Contents of this document are subject to change without prior notice	DASH NO.	PART NO	REV.	DESCRIPTION	NOTES	
	<b>TABULATION BLOCK</b>					
	TOLERANCES: DECIMALS    ANGULAR .xx +/- 0.1    +/- 1° .xxx +/- .005		MILLIMETERS    ANGULAR .xx +/- 0.3    +/- 1° .xxx +/- .013		 <b>GlobTek, Inc.</b> 186 Veterans Dr. Northvale, NJ 07647 www.globtek.com Tel. 201-784-1000 Fax 201.784.0111	
	INIT.BY: DMR	DATE: 12/28/04	DWG TITLE: DC / DC CONVERTER, SINGLE 1W, I/P: 5 VDC; O/P: 12 VDC		MODEL NO: DB10D1BH1	REV. A
DRAWN: NF	DATE: 12/28/04	FSCN No.: G, Y	SIZE A	PART NO: DB10D1BH1	SHEET 1 OF 2	
APRVD : DMR	DATE: 12/28/04	SCALE: NONE				

**PROPRIETARY INFORMATION:**

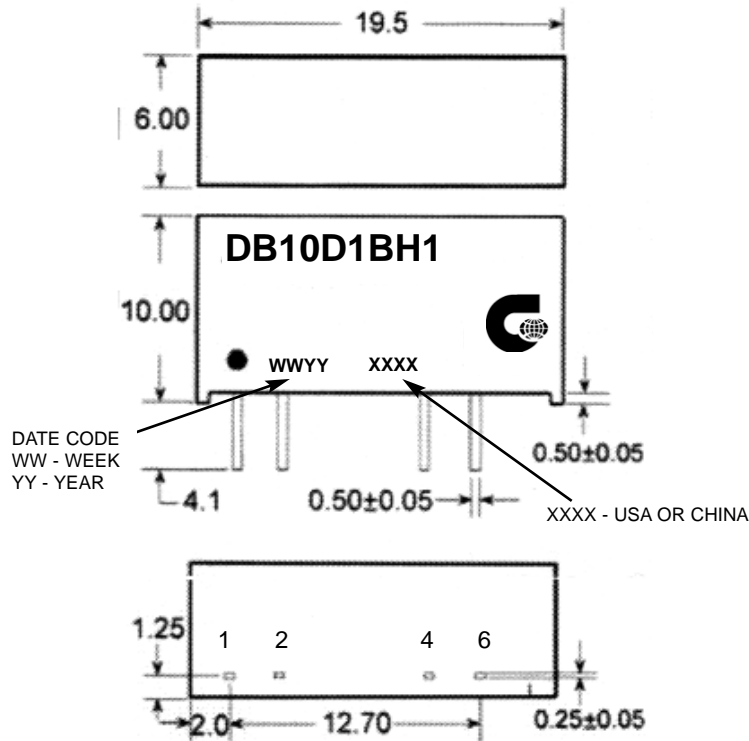
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**3. MECHANICAL DIMENSIONS: MM**

HOUSING: 7 PIN SIP PACKAGE, 94V- 0 PLASTIC MATERIAL WITH 94V-0 POTTING MATERIAL, BLACK

**4. MARKING: PERMANENT PAD PRINTING, WHITE:**

**I/P: 3.3V - 24V**



**PIN CONNECTION**

PIN	OUTPUT
1	+ INPUT
2	- INPUT
4	- OUTPUT
6	+ OUTPUT

**GlobTek, Inc.**  
www.globtek.com

186 Veterans Dr. Northvale, NJ 07647  
Tel. 201-784-1000 Fax 201.784.0111

DWG TITLE: DC / DC ONVERTER, SINGLE  
1W, I/P: 5 VDC; O/P: 12 VDC

MODEL NO: DB10D1BH1

REV.  
A

PART NO: **DB10D1BH1**

SHEET 2 OF 2