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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 \pm 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
 \leq 150mV @ $I_v = 3.3$ VDC AND 48.0VDC
 \leq 100mV @ $I_v = 5.0$ VDC AND 24.0VDC

OUTPUT VOLTAGE ACCURACY: $\leq \pm 5\%$
OUTPUT REGULATION (LINE/LOAD): $\pm 5\%$ MEASURED AT O/P PINS
LINE REGULATION: $\pm 1.2\%$ / 1% OF V_{in} 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
	TABULATION BLOCK				
	TOLERANCES: DECIMALS ANGULAR .xx +/- 0.1 +/- 1° .xxx +/- .005		 GlobTek, Inc. 186 Veterans Dr. Northvale, NJ 07647 Tel. 201-784-1000 Fax 201.784.0111 www.globtek.com		
	INIT.BY: DMR	DATE: 12/28/04	MILLIMETERS ANGULAR .xx +/- 0.3 +/- 1° .xxx +/- .013	DWG TITLE: DC / DC CONVERTER, SINGLE 1W, I/P: 5 VDC; O/P: 12 VDC	
DRAWN: NF	DATE: 12/28/04	FSCN No.: G, Y	SIZE A	MODEL NO: DB10D1BH1	REV. A
APRVD : DMR	DATE: 12/28/04	SCALE: NONE		PART NO: DB10D1BH1	SHEET 1 OF 2

PROPRIETARY INFORMATION:

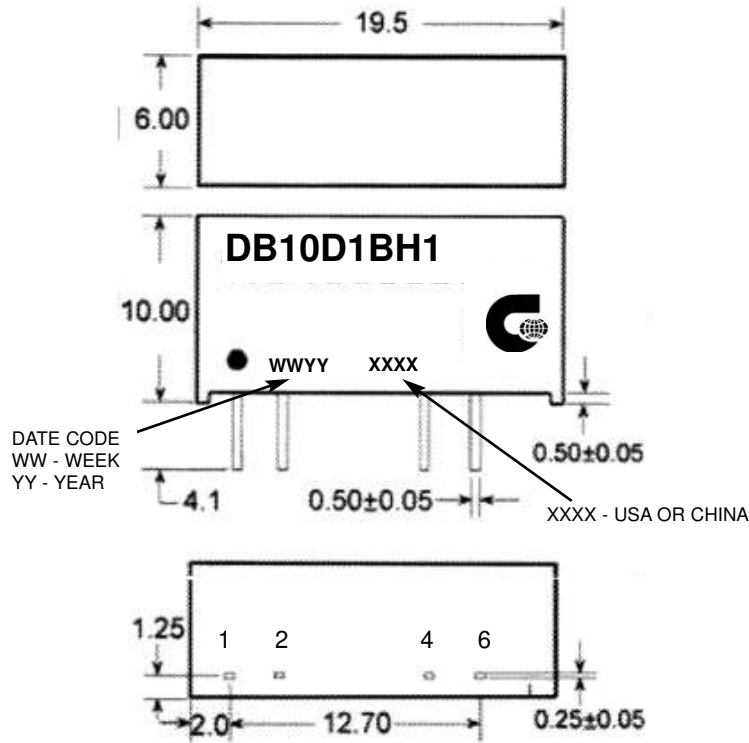
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3. MECHANICAL DIMENSIONS: MM

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

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

MODEL NO: DB10D1BH1

REV.
A

PART NO: **DB10D1BH1**

SHEET 2 OF 2