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	REV	DESCRIPTION	DATE	APPROVED
	A	INITIAL RELEASE, RFS.5273 , 5293 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: \pm 15.0 VDC @ \pm 34 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					
	INIT.BY: DMR		DATE: 12/28/04	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
	DATE: 12/28/04	MILLIMETERS ANGULAR .xx +/- 0.3 +/- 1° .xxx +/- .013		DWG TITLE: DC / DC CONVERTER, DUAL 1W, I/P: 5 VDC; O/P: \pm 15 VDC		
DATE: 12/28/04	FSCN No.: G, Y	SIZE A	MODEL NO: DB10E1BH1		REV. A	
APRVD : DMR	DATE: 12/28/04	SCALE: NONE		PART NO: DB10E1BH1	SHEET 1 OF 2	

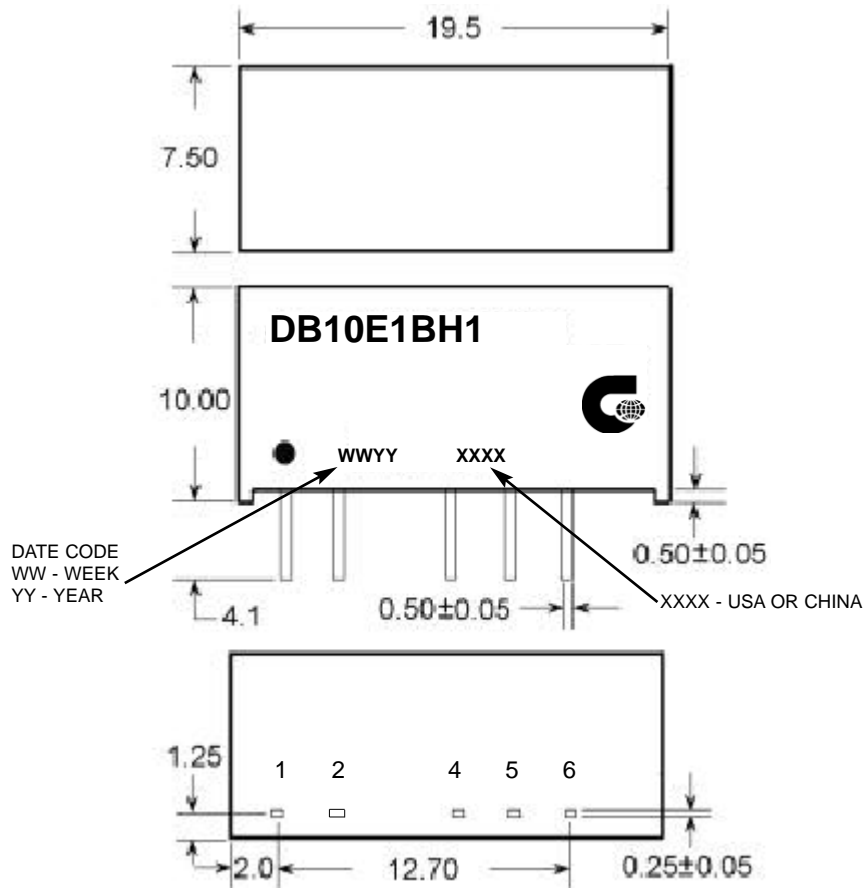
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3. MECHANICAL DIMENSIONS: MM

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

4. MARKING: PERMANENT PAD PRINTING, WHITE:



PIN CONNECTION

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

GlobTek, Inc.
www.globtek.com

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DWG TITLE: DC / DC CONVERTER, DUAL,
1W, I/P: 5 VDC; O/P: ± 15 VDC

MODEL NO: DB10E1BH1

REV.
A

PART NO: **DB10E1BH1**

SHEET 2 OF 2