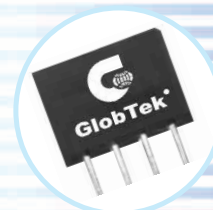




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DC CONVERTER, SINGLE AND DUAL OUTPUT



1. NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

2. ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE: 3.3 VDC $\pm$ 10%, 5 VDC $\pm$ 10%, 12 VDC $\pm$ 10%, 24 VDC $\pm$ 10%,
48 VDC $\pm$ 10%

INPUT CURRENT: < 0.07A AT 21.6 VDC INPUT

OUTPUT VOLTAGE / CURRENT:

MODEL #:

OUTPUT RATING:

DB10B1XH1	+5.0 VDC @ 200 mA
DB10C1XH1	+9.0 VDC @ 112 mA
DB10D1XH1	+12.0 VDC @ 84 mA
DB10E1XH1	+15.0 VDC @ 67 mA
DB10L1XH1	+5.0 VDC @ 100 mA
DB10Z1XH1	+9.0 VDC @ 56 mA
DB10M1XH1	+12.0 VDC @ 42 mA
DB10N1XH1	+15.0 VDC @ 34 mA

MODEL NUMBER DESCRIPTION:

DB10 = Series Code

-1 = O/P Voltage

X = I/P Voltage

A=3.3 VDC, B=5.0VDC, C=9 VDC, D=12.0VDC,

G= 24.0VDC, H= 48 VDC

I= Internal Code

OUTPUT CURRENT :

NO LOAD TO FULL LOAD, 10% MINIMUM LOAD REQUIRED TO
MAINTAIN SPECIFIED REGULATION
1 WATTS MAX

OUTPUT POWER (RATED):

SWITCHING FREQUENCY

OUTPUT RIPPLE (PEAK TO PEAK):

20 MHz BAND LIMITED
 $\leq 150\text{mV}$ @ $I_v = 3.3 \text{ VDC}$ AND 48.0VDC
 $\leq 100\text{mV}$ @ $I_v = 5.0 \text{ VDC}$ AND 24.0VDC
 $\leq \pm 5\%$

OUTPUT VOLTAGE ACCURACY:

OUTPUT REGULATION (LINE/LOAD):

LINE REGULATION:

TURN ON/ TURN OFF OVERSHOOT:

TURN-ON DELAY:

EFFICIENCY:

$\pm 5\%$ FOR BOTH OUTPUTS, MEASURED AT O/P PINS
 $\pm 1.2\% / 1\%$ OF V_{in} MAX AT FULL LOAD
4% MAX 500 μs MAX RECOVERY TIME FOR 25% STEP LOAD
1 SEC MAX

75 % TYPICAL (MODELS W / O/P ABOVE 5VDC $\pm$ 5VDC),
5 VDC AND $\pm$ 5VDC MODELS 70%

100 KHZ TYPICAL

SWITCHING FREQUENCY:

ISOLATION RESISTANCE:

DIELECTRIC WITHSTAND VOLTAGE:

OPERATING TEMPERATURE:

STORAGE TEMPERATURE:

HUMIDITY:

100 Mohm MIN @ 500 VDC

1000 VDC MIN. PRIMARY TO SECONDARY

0°C TO 70° C

0°C TO 70° C

0 TO 90% RELATIVE HUMIDITY

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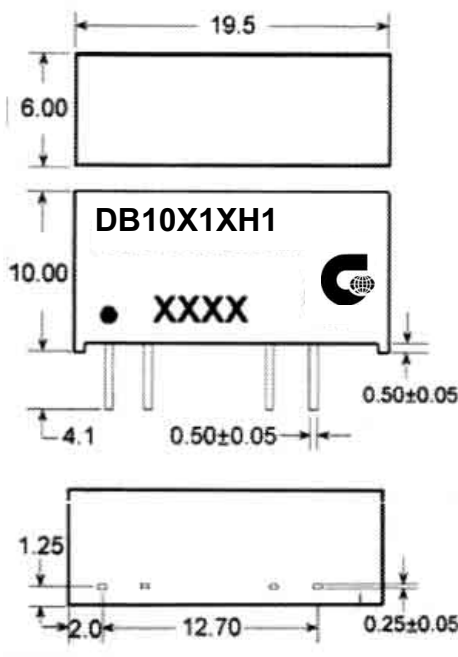
DC CONVERTER, SINGLE AND DUAL OUTPUT



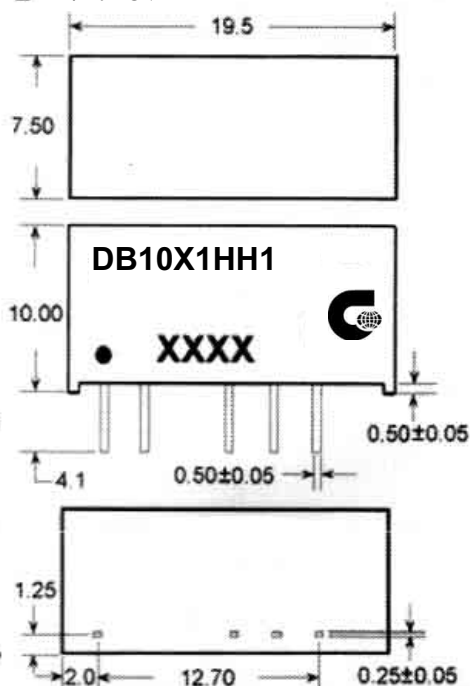
3. MECHANICAL DIMENSIONS: MM

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

1 I/P: 3.3V - 24V



2 I/P: 48V



PIN CONNECTION

PIN	SINGLE OUTPUT		DUAL OUTPUT
	3.3, 5, 12, 24 VDC	48 VDC	
1	+ INPUT	+ INPUT	+ INPUT
2	- INPUT	- INPUT	- INPUT
4	N/C	-OUTPUT	- OUTPUT
5	- OUTPUT	N/C	COMMON
6	+ OUTPUT	+ OUTPUT	+ OUTPUT

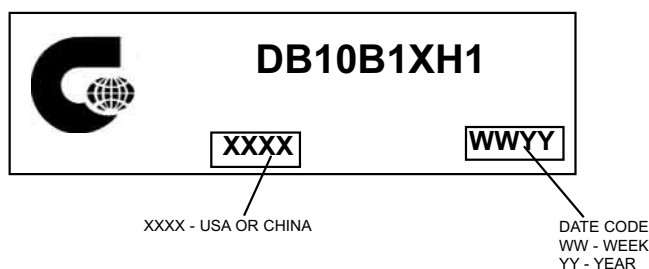


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4. LABEL:

PAD PRINTED LOGO



5. PACKING :

GLOBTEK STANDARD, BULK PACKING

