30 WATT
SINGLE OUTPUT SWITCHING ADAPTOR

DTT30-12SX-W

GENERAL SPECIFICATION

This specification describes the performance characteristics of a single phase, 30 Watts, Single Output Switching Adapter.

1) INPUT

INPUT				
Description	**Min.**	**Typical**	**Max.**	**Condition**
Input Voltage	90VAC	115/230V	264VAC	Full Range; 50/60Hz
Input Current(RMS)	-	-	1A	90 VAC 50Hz
Line Frequency	47Hz	50/60Hz	63Hz	-
Inrush Current	-	-	60A	230VAC Cold Start
Efficiency	-	75%	-	115VAC at full load

2) OUTPUT

OUTPUT				
SINGLE OUTPUT: DC 12V/2.5A, 30W MAX.				
NOMINAL VOLTAGE	**TOTAL REGULATION**	**OUTPUT CURRENT**		**RIPPLE & NOISE**
		MIN.	**MAX.**	
+12V	±3%	0A	2.5A	120mV

NOTE:1) 20MHz bandwidth ripple & noise is measured by using 0.1uF C.C. & 10uF/50V20MHz bandwidth ripple & noise is measured by using 0.1uF C.C. & 10uF/50V

2) Regulation shows the percentage of absolute value of nominal output voltage. The total output should be 30W max.

3)PROTECTION:

3.1)OVER VOLTAGE PROTECTION:

If any over voltage occurs, the power supply should latch off before any output exceeds its limit below:

NOMINAL	OVERVOLTAGE RANGE(V)	
VOLTAGE(V)	FROM	TO
+12VDC	+13.5VDC	+15.5VDC

The power supply will be automatically recovered after the over voltage fault being removed.

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3.2) SHORT CIRCUIT PROTECTION

Short circuit occurred on +12V output should not cause any damage to the power supply but shut down the power supply. The power supply will be automatically recovered after the short circuit being removed.

3.3) OVERLOAD PROTECTION

An over load protection will be effected when overloading reaches +160% MAX. The power supply will be automatically recovered after the overload being removed

3.4) VIBRATION

10-55Hz amplitude (sweep 1 min.) less than 2G X, Y, Z 1 hour ea.

3.5) SHOCK: <20G

4) ENVIRONMENT

4.1)Operating temperature

Temperature	0 to 40 degree
Relative Humidity	20 to 90 percent, non-condensing

4.2)SHIPPING AND STORAGE:

Temperature	-25 to +85 degree centigrade
Relative Humidity	20 to 90 percent, non-condensing

5) SAFETY REQUIREMENTS(MEET)

The adapter must comply with UL/CSA/TUV/IEC950 standards.

5.1) DIELECTRIC WITHSTAND

--- Primary to Secondary : 3000 VAC for 60 Sec.
--- Primary to Frame Ground : 1500 VAC for 60 Sec.

5.2) INSULATION RESISTANCE

--- Primary to Secondary : 50 Meg. Ohms Min. 500 VDC
--- Primary to Frame Ground : 20 Meg. Ohms Min. 500 VDC.

6) ELECTROMAGNETIC COMPABILITY

Tests for conformance to this requirements will be performed with host system.

6.1) FCC Requirements

The adapter shall comply with the FCC rules and regulations Part 15, Subpart J, “Class B” limits.

6.2) CE Requirements

The adapter shall confirm to the “Class B” requirements of EN55022.

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7) RELIABILITY

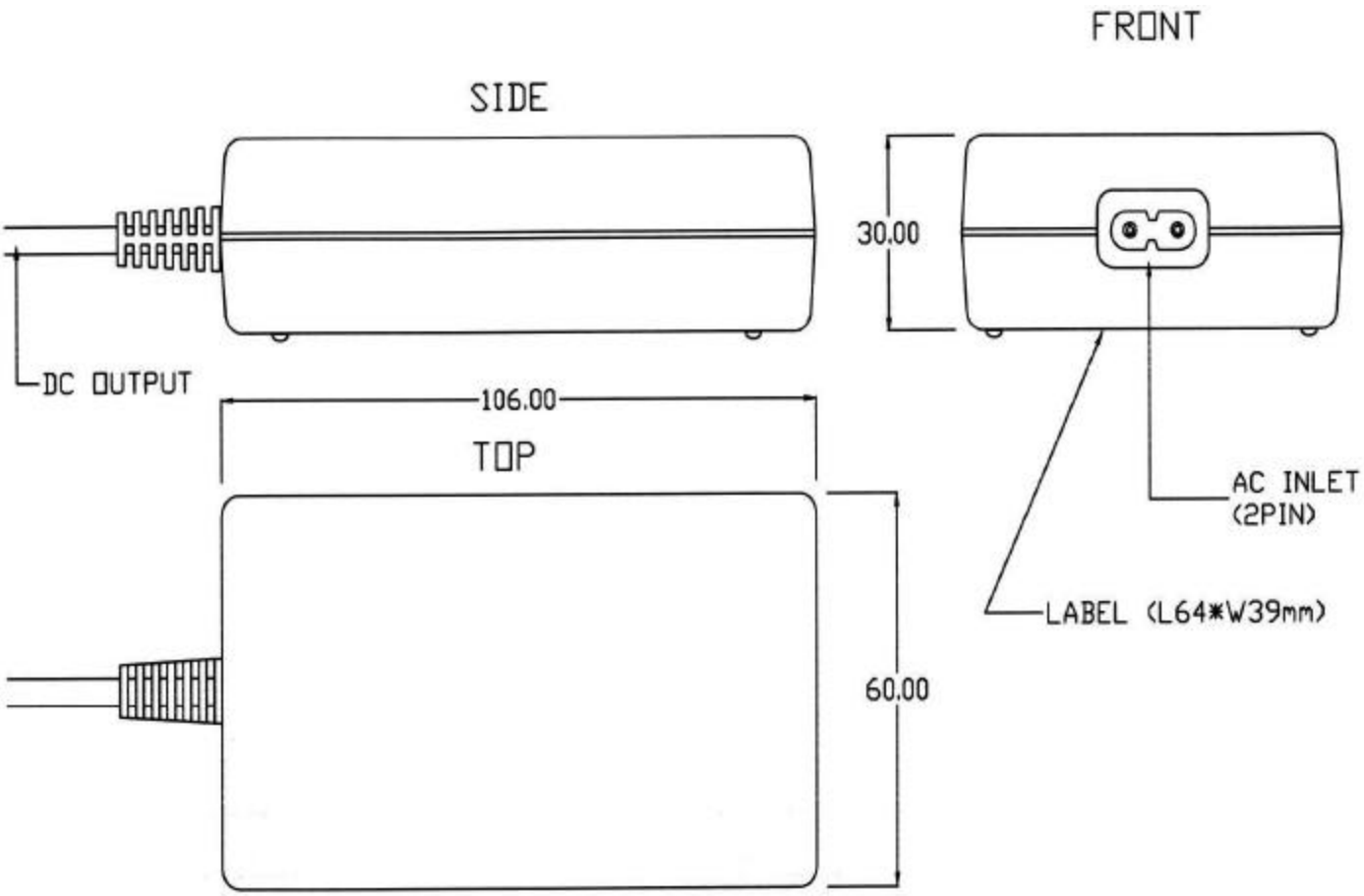
MTBF: 50,000 hours min. at max. load for 25 degree centigrade ambient temperature.

8) BURN-IN TEST

100% burn-in tested at max. load under 40 +/-5 degree centigrade.

9) MECHANICAL DIMENSION

Outside dimension: 106(L) X 60(W) X 30(H)mm
Input connector: IEC320-C7(2 PIN)
Depends on your requirements.



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