

42 WATT
SINGLE OUTPUT SWITCHING
ADAPTER CLASS II
DTB42-SX-W SERIES



GENERAL SPECIFICATION

This specification describes the performance characteristics of a single phase, 42 Watts, Class II Single Output Switching Adapter.



1) INPUT

Description	Min.	Nominal	Max.	Condition
Input Voltage	90VAC	115/230V	264VAC	Auto Range; 50/60Hz
Input Current(rms)	1A@264Vac 2A@90Vac			
Line Frequency	47Hz	50/60Hz	63Hz	-
Efficiency	>75% 115VAC at full load (DC Conversion)			
EMI: FCC Class B; CISRP22 Class B; EN 55022 Class B; CLASS II with C8 inlet				

2) OUTPUT

2.1) *Voltage Regulation: ±3%

***Hold up time:** 10ms typical at full load @ 115VAC

***Current Limit:** ±3%

Model Name	Nominal Voltage	Max. Power	Output Current		Ripple & Noise
			MIN.	MAX.	
DTB42-18SX-W-2	18	42W	0.0A	2.3A	180mv
DTB42-19SX-W-2	19	42W	0.0A	2.2A	190mv
DTB42-20SX-W-2	20	42W	0.0A	2.1A	200mv
DTB42-21SX-W-2	21	42W	0.0A	2.0A	210mv
DTB42-22SX-W-2	22	42W	0.0A	1.9A	220mv
DTB42-23SX-W-2	23	42W	0.0A	1.8A	230mv
DTB42-24SX-W-2	24	42W	0.0A	1.8A	240mv

NOTE: 1. Peak to Peak with 20MHz bandwidth and 10uF in parallel with a 0.1uF capacitor.
2. CV-Constant Voltage: +18V~+24V/42W

3) PROTECTION:

- **OVER VOLTAGE PROTECTION(OVP)**
- **AC RECYCLE SHORT CIRCUIT PROTECTION**
- **OUTPUT SHORT CIRCUIT PROTECTION(0.03 OHM)**
- **AUTO RECOVERY**

4) ENVIRONMENT

Operating Temperature 0°C to 40°C
Storage Temperature -10°C to +70°C
MTBF: 100,000 hours at full load and 25°C ambient temperature.

5) SAFETY REQUIREMENTS

UL 1950
CSA 22.2-234
TUV EN60950
IEC 950
CE: EMC &LVD

6) DIMENSION DIAGRAM

Dimension: 106(L) × 60(W) × 30(H)mm

