imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



TRACO[®] POWER

AC/DC Power Supplies

TIW Series, 4 – 24 Watt



- Operating temp. range –25°C to +50°C
- Short circuit and overload protection
- 3-year product warranty



(Mounted in standard flush box)

The TIW series is a new range of small size DC-power supplies which have been designed particularly for applications in home and office installations. The compact modules cases fit in the standardized in-wall flush boxes or also can be mounted on walls. For connection there are models available with flying wires The power supplies comply fully with the safety and EMC standards requested for commercial and residential class II installations. Typical applications are powering of electric devices used in home automation and in security systems like i.e. DC-motors, controllers, indicators, etc.

Models				
Order Code	Output Power max.	Output Voltage	Output Current	Efficiency
TIW 06-103	4 W	3.3 VDC	1.2 A	75 %
TIW 06-105	5 W	5.0 VDC	1.0 A	75 %
TIW 06-106	6 W	6.0 VDC	1.0 A	80 %
TIW 12-112	12 W*	12 VDC	1.0 A	80 %
TIW 12-115	12 W*	15 VDC	0.8 A	80 %
TIW 12-124	12 W*	24 VDC	0.5 A	80 %
TIW 24-112	24 W*	12 VDC	2.0 A	83 %
TIW 24-124	24 W*	24 VDC	1.0 A	85 %

* If these models are used with 115 VAC input voltage, a 25% load reduction must be applied.

TRACO[®] POWER

AC/DC Power Supplies TIW Series 4 - 24 Watt

Input Specification	s					
Input voltage range	– nominal – ranges – output power derating for	12 & 24 W models	115 – 230 VAC 93 – 264 VAC (universal input) 0.45 %/V below 187 VAC down to 132 VAC 1 %/V below 115 VAC			
Input frequency			47 – 63 Hz			
No load power consumption (acc. ErP directive EC No.278/2009)			< 300 mW			
External input fuse requir	red (recommended values)		2 to 6 A slow blow resp. characteristic C			
Harmonic limits			EN 61000-3-2, C	Class A		
Output Specification	ons					
Voltage set accuracy			±3 % max.			
Regulation	– Input variation – Load variation (0–100%)		1 % max. 2 % max.			
Ripple and noise (20 Mh	z Bandwidth)		<200 mVp-p			
Start-up time			<ls< td=""><td></td><td></td></ls<>			
Hold-up time	- Vin = 115 VAC - Vin = 230 VAC		5 ms typ. 20 ms typ.			
Overload protection by current limit TIW 06-xxx & TIW 24-xxx models: TIW 12-xxx models:						
Short circuit protection			foldback (automo	atic recovery)		
General Specificat	ions					
Operating Temperature (Ampient)			sources (such as la n for ambient temp /		
Over temperature protec	tion		built in (for safety	reason only)		
Preventive fire protection			VDE 710-14			
Protection class			class II as per IEC	C/EN 61140		
Safety standards	– CB test certificate – BV certificate	IT safety household appliance safety of transformers	IEC 60950-1:2005(2nd)+A1:2009+A2:2013, EN 60950-1:2006+A1:2010+A2:2013+ A11:2009+A12:2011 IEC/EN 60335-1, VDE 710-14 IEC/EN 61558-2-16, IEC/EN 61558-2-8			
	electronic equip – CSA certificate of complia	used in conjunction with IEC/EN 61558-1 Iamp controlgear uipment for power installation Iiance IT safety class 2 power units UL 60950-1(2nd Ed.)+Am1:2011, CAN/CSA-C22.2 No.60950-1-07+Am1:20 UL 1310 (6th Edition), CAN/CSA-C22.2 No.223-M91(R2008)		ction with 7 •Am1:201		
- Certification documents Electromagnetic compatibility (EMC), emissions - Conducted RI suppression on input			www.tracopower.com/overview/tiw EN 61000-6-3 EN 55022 class B, EN 55014-1			
	- Radiated RI suppression		EN 55022 class			
Electromagnetic compatil	bility (EMC), immunity – Electrostatic discharge (ESE – Radiated RF field immunity – Electrical fast transient / bu – Surge immunity		EN 61000-6-2-1, EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 see next page	IEC 61204-3 4 kV / 8 kV, 10 V/m, 2 kV / 0.5 kV,	class B class A class B+A	

All specifications valid at nominal input voltage, full load and +25°C after warm-up time unless otherwise stated.

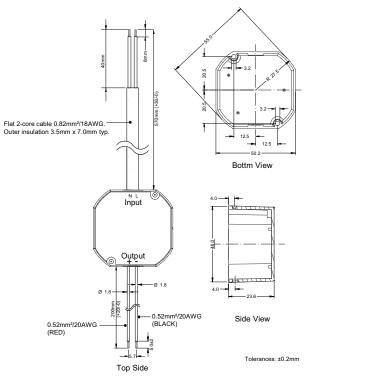


General Specifications

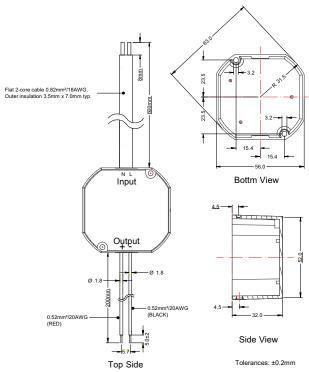
Electromagnetic compatibilit	ty (EMC), immunity				
	– Surge immunity line – ground		EN 61000-4-5	2 kV,	class B+A
	– Surge immunity line – line		EN 61000-4-5	1 kV,	class B+A
	- Surge immunity output		EN 61000-4-5	0.5 kV	
	– Immunity to conducted RF disturb	bances	EN 61000-4-6	10 V,	class A
	- Mains voltage dips and interrup	tions	EN 61000-4-11	30 % /10 mS,	class B
				60 % /100 mS,	class B
Casing material			plastic (UL 94V-0 rated)		
Casing protection		IP 67			
Reliability, calculated MTBF according to IEC 61709		www.tracopower.com/overview/tiw			
Humidity (non condensing)			5 – 95 % rel. H r	nax.	
Environment	– Vibration acc. IEC 600682-6		Part 2, test Fe: Vibration (sinusoidal)		
	- Shock acc. IEC 60068-2-27		Part 2, test Ea: Shock		
Connection wires	– Input		2 x 570 mm +30/-0 (black/white) AWG 18		
	– Output		2 x 200 mm +20/-0 (red/black) AWG 20		
Environmental compliance	– Reach		www.tracopower.com/overview/tiw		
·	– RoHS		RoHS directive 2		
Weight		– 24 Watt models:	100 g (3.8 oz)		
-		– other models:			

Outline Dimensions

TIW 6 & 12 Watt models:







Specifications can be changed without notice! Make sure you are using the latest documentation, downloadable at www.tracopower.com