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1. Product Overview

The Tarangify T-5V5W is an ultra-compact AC-DC power supply module that provides 5V DC output with a maximum power of 5W. It is fully encapsulated, highly efficient, and designed for industrial, commercial, and smart IoT electronics.

2. Features

- Input Voltage: 150–240V AC
- Output Voltage: 5V DC
- Output Power: Up to 5W
- High conversion efficiency
- Compact Size: 38.8mm x 28.8mm x 20.4mm
- Fully isolated design
- Over-voltage, over-current, and short-circuit protection
- Low standby power consumption
- Available in Tech Blue and Matte Black

3. Applications

- IoT devices and gateways
- Smart home products
- Embedded electronics
- Industrial automation
- LED control circuits
- Wireless sensors
- DIY & prototyping boards

4. Electrical Specifications

Parameter	Min	Tech Parameter	Max	Unit
Input Voltage	150	230	240	V AC
Input Frequency	50	50/60	63	Hz
Output Voltage	5	5	5.5	V DC
Output Current	-	800	1200	mA
Output Power	-	-	5	W
Efficiency				
Ripple & Noise (20MHz)				
Hold-up Time				
Inrush Current (Cold)				

5. Mechanical Specifications

- Dimensions: 38.8mm (L) × 28.8mm (W) × 20.4mm (H)
- Weight: ~38 to 44 grams
- Package: Fully potted plastic case
- Mounting: Through-hole (4 pins)

6. Pin Description

Pin No.	Name	Function
1	AC (L)	AC Line Input
2	AC (N)	AC Neutral
3	-V	DC Ground
4	+V	DC Output (6V)

7. Protections

- Over-Voltage Protection
- Over-Current Protection
- Short-Circuit Protection
- Surge & Inrush Current Limiting

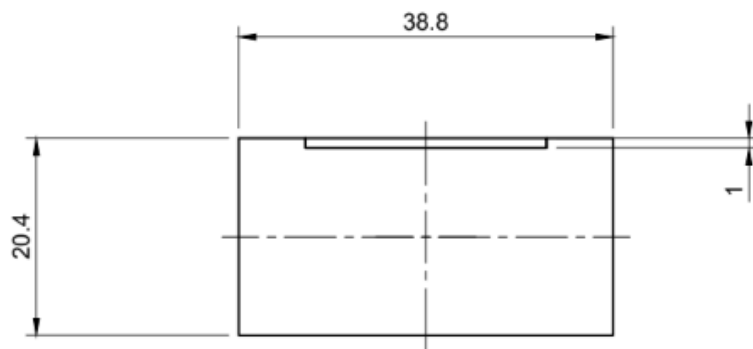
8. Environmental Ratings

Parameter	Value
Operating Temp.	-15°C to +55°C
Storage Temp.	-20°C to +75°C
Humidity (non-cond.)	10% to 90% RH
Cooling	Natural convection

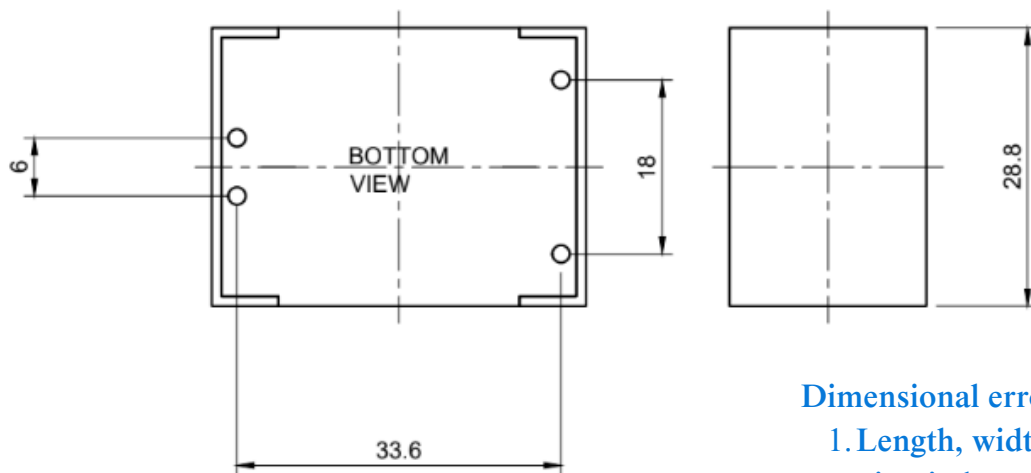
9. Ordering Information

Product Code	Description	Color
T-5V5W-BLACK	5V 5W SMPS Module (Black Case)	Matte Black

10. Mechanical Drawing



All Dimension are in mm



Dimensional error:

1. Length, width, height and pin pitch error $\pm 8\%$
2. Pin length error $\pm 1\text{mm}$
3. Pin diameter error -0.2mm



11. Contact Information

- ✉ support@thingslinker.com
- 🌐 <https://store.thingslinker.com>