

Experiments & PoC

Opening up existing products



A hairdryer was opened up to understand how it utilises Nichrome Wire without a power supply module. Insight is that the length and gauge of the nichrome plays a role here in the hairdryer. The wound nichrome is very long and the gauge of the wire used is very high(thin) helping it achieve the required temperature without shorting and the actively cooling fan helps maintain the temperature.



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The camphor burner was opened up to understand the heating element used - mainly understanding how such a product can be in the market for a price of ₹299. The product utilises a ceramic heating block and has a thermocouple to regulate temperature.