

BETA VERSION – VALUES ARE NOT FINAL



XIPA-650CHVCX module (max 350V/70mA, 24W)

EC1: 470uF 35V polymer, 667-EEH-AZ5V471UB
EC2 capacitor: 2 x 22uF 350V, 647-UCY2V220MPD9
EC3 capacitor (for negative mods): 2 x 22uF 350V, 647-UCY2V220MPD9
D4: US3M 1KV 3A, 621-US3M-13 or UF5408 3A, 637-UF5408
D5 (for negative mods): US3M 1KV 3A, 621-US3M-13 or UF5408 3A, 637-UF5408
R26: 25mOhm 3W, 2512 case, 652-CRA2512FZR025ELF (Original value 0R008 2W JKB, 1812 case)
Add one 1M resistor for each HV capacitors (594-5073N1W000J).
Heat Sink+Retaining Clip for TO220: Aavid 532-6236B

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File: TUBE-HV-PSU.kicad_sch

Title: Tube High Voltage Power Supply

Size: A4	
KiCad E.D.A. 8.0.8	

Date: 2025-04-18

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