



PATON GROUP
INTERNATIONL

Planar Transformers

PAYTON 7000 W SMPS TRANSFORMER FOR MILITARY APPLICATION

Functional specs

1. Generic Type : T215-3-6C-6C.
2. Total output power : 7000 W (2x100Vdc/35Adc).
3. Transformer operating frequency : 200 kHz, Min.
4. Power supply “clock frequency” : 400 kHz, Min.
5. Input voltage of power stage : 180 ÷ 220 Vdc link.
6. Transformer input voltage : 88 ÷ 108V peak.
7. Topology : **Half Bridge, ZVT.**
8. Operating Volt-second product. : 2x251 V-μsec.
9. Pri. to half Sec. 1;2 ratio : 1 : 1
(Sec. current, **max.** – 24.75 Arms)
10. Primary current, **max** : 86.5 Arms.
11. Dielectric strength:
(Pri. to Sec. 1+2) : 1000Vdc.
(Pri. to Shield) : 500Vdc.
(Pri. +Shield +Sec.1+2 to Core) : 500Vdc.
12. Ambient temperature range : -40°C , +65°C.
13. Estimated power losses : 70 W.
(**with 60°C external heat sink**)
14. Mechanical dimensions : Length - 59 mm.
(**for reference only**) : Width - 57 mm.
: Height - 16 mm.

