



PATON GROUP
INTERNATIONL

Planar Transformers

PAYTON 460 W SMPS TRANSFORMER FOR TELECOM APPLICATION

Functional specs

1. Generic Type : T055AC-40-1.
2. Total output power of power supply : 460 W (2.7Vdc/170Adc) .
3. Maximum transformer output : 460W (5.4Vdc/85Adc) .
4. Operating frequency : 250 kHz.
5. Input voltage range : 325 ÷ 400 Vdc.
6. Topology : Full Bridge, ZVT with Current Doubler Rectifier.
7. Primary current, max : 2.22 Arms .
Primary inductance : 3700 μ H minimum.
Primary DCR at 25°C : 260 mOhm maximum.
Secondary DCR at 25°C : 0.22 mOhm maximum.
8. Pri. to Sec. ratio : 40 : 1.
(Sec. current, max. – 85 Arms)
9. Dielectric strength
(Pri.. to Sec.+core) : 3750 Vrms .
(Sec. to Core) : 500 Vdc.
10. Ambient temperature range : -20 , 50°C.
11. Estimated power losses : 8.8W.
12. Mechanical dimensions : Length – 38 mm.
(for reference only) : Width – 26 mm.
: Height – 12.5 mm

