

Flyback Transformers for DC/DC converters - FLYT 18 Series



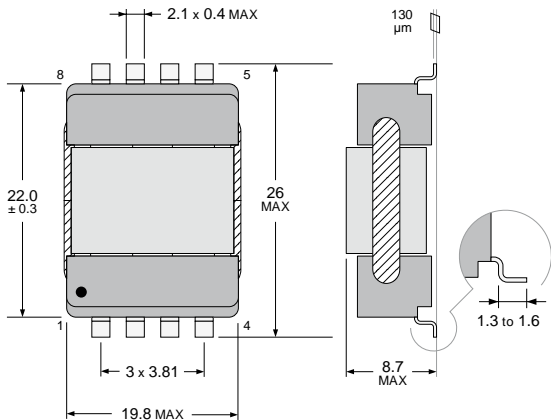
- Based on Microspire's « SES18 Planar Technology »
- Low-profile SMD package (2x4 pins)
- Applied standards: MIL-STD-202, ECSS-Q-70-02, DO-160D
- Up to 15W at 100kHz in standard heating conditions
- Dielectric strength up to 1500V (50Hz-1min)
- Materials meet UL94-V0 rating
- Thermal index according to IEC85: H (180°C)
- Operating/storage temperature range: -55°C to +125°C
- Approx weight: 10grams

Electrical Data

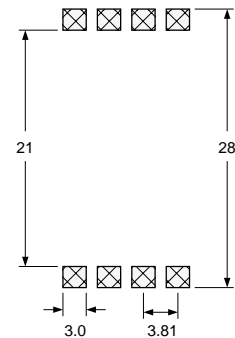
ID Code	DC Input Voltage Range (Vdc)	Output Power (W)	Designed Outputs	Working Frequency	Primary Inductance	Insulation > 100MΩ
FLYT18 3W9 01	23 - 37V (2° - 1)	3.85	3,55V / 1A (7/8° - 5/6) BIAS (3° - 4)	100kHz	152.5μH	500Vdc
FLYT18 4W6 01	23 - 37V (2° - 1)	4.56	-15,25V / 300mA (8° - 7) 15,25V / 50mA (6° - 5) BIAS (3° - 4)	100kHz	126μH	500Vdc
FLYT18 5W3 01	23 - 37V (2° - 1)	5.25	5,25V / 1A (7/8° - 5/6) BIAS (3° - 4)	100kHz	113.7μH	500Vdc
FLYT18 9W5 01	23 - 37V (2° - 1)	9.45	5,25V / 1,8A (7/8° - 5/6) BIAS (3° - 4)	100kHz	61.7μH	1500Vdc

Each Flyback Transformer shall be the result of a common definition after technical agreement between both engineering teams

Typical Dimensions (mm, top view)

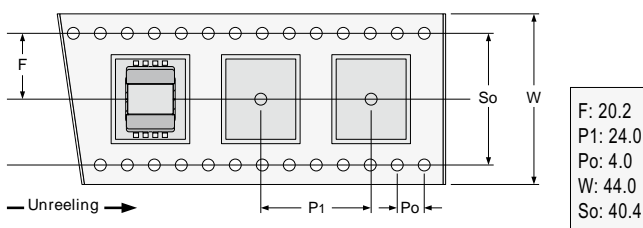


PCB Layout (suggested)



Packaging

Tape and Reel:
300 pieces per reel of diameter 330 mm



Marking

