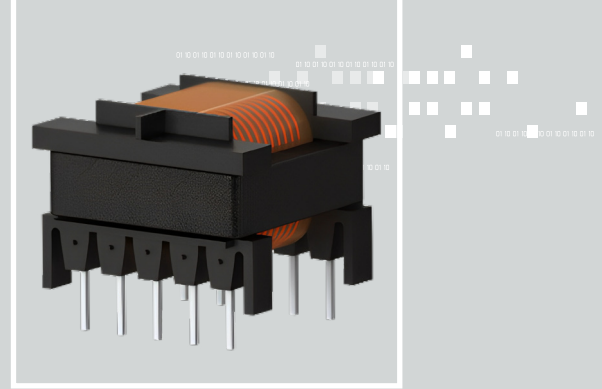


# FLYT-015

## Flyback Trafo EF20 14W 250kHz

INDUCTIVE COMPONENTS / FLYBACK TRANSFORMER



### APPLICATIONS

- › Automotive EV/PHV AC/DC onboard battery chargers

### 01 FEATURES

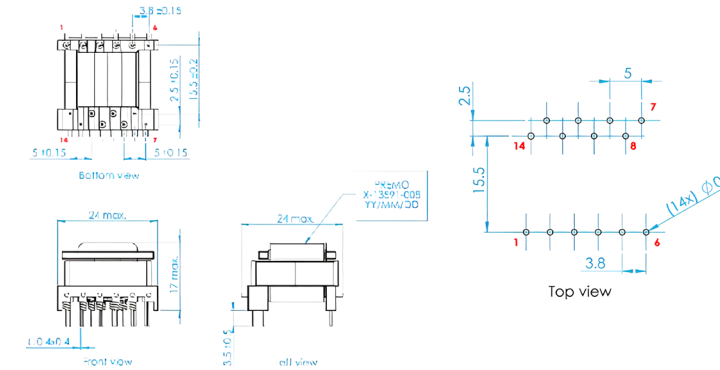
- › CCM Flyback
- › THT mounting
- › Weight : approx 12g.

### 02 OPERATION

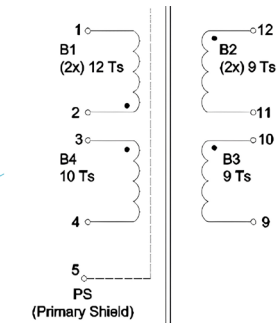
- › Operating temperature -40/+125°C
- › Switching frequency 250kHz
- › Input Prim: 10-26V
- › Output Sec1: 12V/1A; Sec2: 12V/100mA; Sec3: 14V/30mA
- › ESTIMATED TOTAL LOSSES
- › DC-Copper losses (Vin=10V/100°C) 0.5 W
- › Core losses (Vin=26V/250kHz/100°C) 0.1 W

### 03 SPECIFICATIONS

#### DIMENSIONS (mm)



#### ELECTRICAL DIAGRAM



#### ELECTRICAL SPECIFICATIONS

##### MAG. INDUCTANCE at 25°C

L(1 - 2) | 25 μH MIN < 29 μH TYP < 32 μH MAX

##### LEAKAGE INDUCTANCE

PRIMARY (1-2) All Secondary shorted | 1 μH MAX

##### DIELECTRIC STRENGTH

Between PRI-B1/SEC-B4 and SEC (B2, B3) | 5000Vdc (5 mA; 2 sec)  
 Between PRIM-B1 and SEC-B4 | 100Vdc (5 mA; 2 sec)  
 Between SEC-B2 and SEC-B3 | 100Vdc (5 mA; 2 sec)  
 Between PRI-B1 and Shield-PS | 100Vdc (5 mA; 2 sec)  
 Between SEC-B4 and Shield-PS | 100Vdc (5 mA; 2 sec)

##### TURN RATIO (10kHz/1Vac)

B1 : B2 : B3 : B4 | 12 : 9 : 9 : 10