

High Power PoE Flyback Transformers

- Power Rang : Up to 71 W.
- Input voltage : 36~57V.
- Design for the IEEE802.3bt standard and operates.
- 1500 Vac isolation from primary and auxiliary to secondary.
- Operating Temperature: -40°C to +125 °C.

ELECTRICAL SPECIFICATIONS @25°C

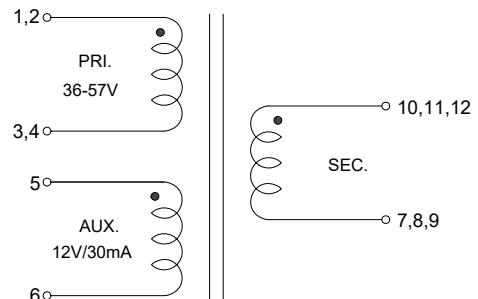
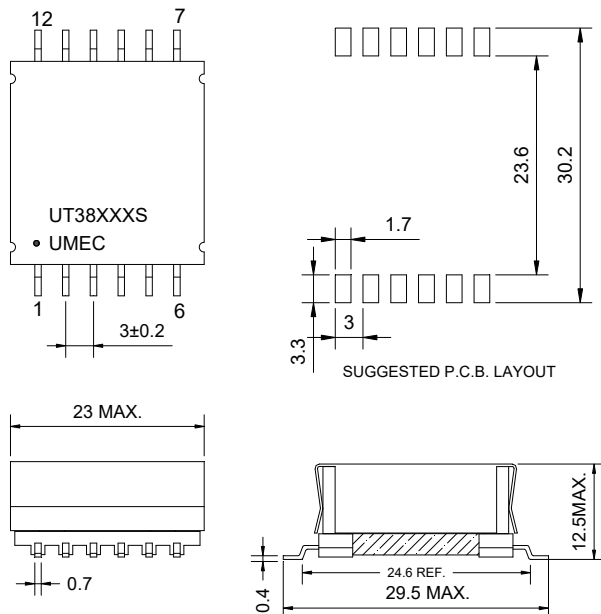
Model No.	Power (W)	Inductance at 0 A ¹ ±10% (uH)	Leakage Inductance max (uH) ²	DCR max (Ohms)			Turns ratio ⁵ pri : sec : aux	I _{pk} ³ (A)	Output ⁵
				pri	sec	aux			
UT38B92S	62	17.8	0.24	18.9	10	108	1 : 0.5 : 0.5	5.7	12V,4.7A
UT38B92S-24	62	17.8	0.2	18.9	36.3	108	1 : 1 : 0.5	5.7	24V,2.4A
UT38B92S-48	62	17.8	0.15	18.9	140	108	1 : 2 : 0.5	5.7	48V,1.2A
UT38B05S	71	15.5	0.24	18.9	10	108	1 : 0.5 : 0.5	6.6	12V,5.4A
UT38B05S-24	71	15.5	0.2	18.9	36.3	108	1 : 1 : 0.5	6.6	24V,2.7A
UT38B05S-48	71	15.5	0.15	18.9	140	108	1 : 2 : 0.5	6.6	48V,1.35A

1. Inductance is for the primary, measured at 250kHz, 0.5Vrms, 0 Adc.
2. Leakage inductance is for the primary with the secondary and aux windings shorted.
3. DC current applied to the primary at 25°C that causes an inductance drop of <10% from its value without current.
4. Output is for the secondary. Output of the aux winding is 12 V, 30 mA.
5. Primary windings and secondary windings are to be connected in parallel on PC board.

Note : For RoHS compliant products:

- a.) Ordering code (Manufacturer Part Number): EX. **TG-UT38B92S**
- b.) Solder: Sn/Ag/Cu.
- c.) Date Code suffix to "G"

MECHANICAL & SCHEMATIC:



primary windings and secondary windings are to be connected in parallel on PC board

*Specifications are subject to change without prior notice.

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