

Gate Drive Transformer—EP7 platform

- Suitable for signal and power application.
- Excellent performance in small package.
- Designed for gate drive application high efficient SMPS.
- Synchronous Flyback.
- 2500 Vac isolation from primary and auxiliary to secondary.
- 1500 Vdc isolation from secondary1 to secondary2.
- Basic insulation for operating voltages up to 250 VRMS, per IEC61558-2-16 and EN61558-2-16.
- Clearance & Creepage distance: 3mm
- Operating Temperature: -40°C to +125 °C.

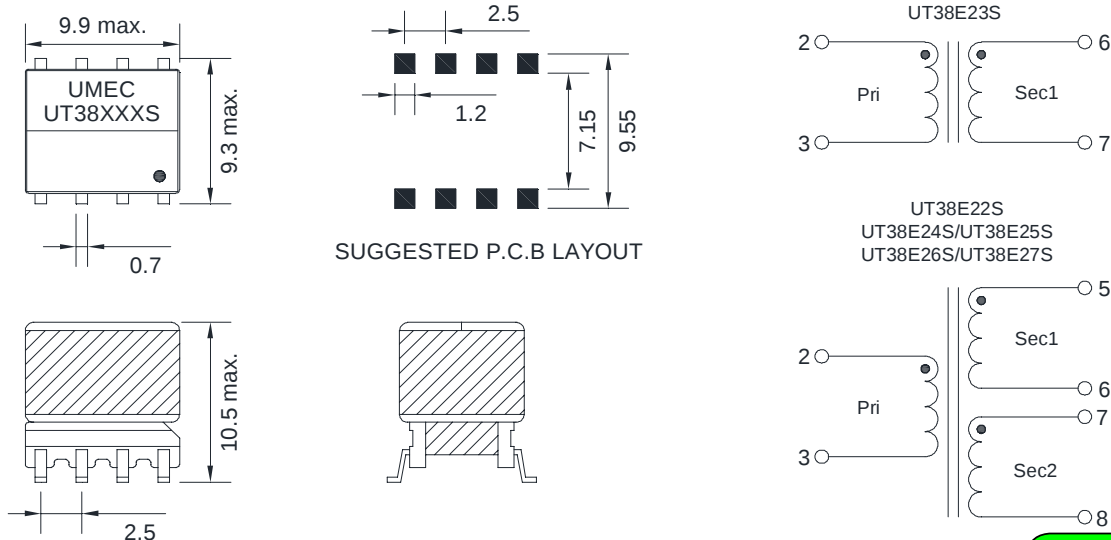
ELECTRICAL SPECIFICATIONS @25°C

Model No.	Inductance ¹ min. (uH)	Turns Ratio	Leakage Inductance ² max.(uH)	DCR max. (Ohms)			ET-constant typ.(Vμs)	Interwinding Capacitance ³ typ.(pF)
		Pri:Sec1:Sec2		Pri	Sec1	Sec2		
UT38E22S	750	1:1:1	4	1.1	1.3	1.3	102	11
UT38E23S	750	1:1	4	1.1	1.3	--	102	11
UT38E24S	750	2:1:1	4	1.1	0.7	0.7	102	11
UT38E25S	1080	2.5:1:1	5	1.3	0.6	0.6	120	11
UT38E26S	735	1.5:1:1	3.5	1.0	0.9	0.9	99	11
UT38E27S	1800	3:1:1	7.5	1.6	0.65	0.65	140	11

Note:

1. Inductance is for the primary winding, measured at 100kHz, 0.1 Vrms, 0 Adc.
2. Leakage inductance is for the primary winding with the secondary windings shorted, measured at 100kHz, 0.1 Vrms.
3. Interwinding Capacitance is measured at 100kHz, 0.1 Vrms.

MECHANICAL & SCHEMATIC:



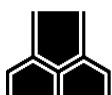
Note: For RoHS compliant products:

- a.) Ordering code (Manufacturer Part Number): EX. TG-UT38E22S
- b.) Solder: Sn/Ag/Cu.
- c.) Date Code suffix to "G" .



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UNIVERSAL MICROELECTRONICS CO.,LTD.
TEL:886-4-23590096 FAX:886-4-23590129

3,27TH RD.,TAICHUNG INDUSTRIAL PARK,
TAICHUNG,TAIWAN,R.O.C



ES France - Département Composants & Modules
127 rue de Buzenval BP 26 - 92380 Garches



Tél. 01 47 95 99 89
Fax. 01 47 01 16 22



e-mail : comp@es-france.com
Site Web : www.es-france.com