

Push-Pull Transformers for Small Size design—EP5

- Push Pull Transformer Application.
- Small size
- Functional Insulation
- Operating Temperature : -40 to +125°C
- Moisture Sensitivity Parts : Level 1

ELECTRICAL SPECIFICATIONS @25°C

Model No.	Inductance ¹ min. (uH)	Turns Ratio	Leakage Inductance ² Max.(uH)	DCR max. (Ohms)				Voltage Time (Vμs)	Hi-POT (VDC)
		N1+N2:N3+N4		N1	N2	N3	N4		
UT38D76S	250	1:1.8	1.20	0.56	0.56	0.82	1.17	27	1000
UT38D77S	635	1:1	-	0.91	0.91	0.87	1.06	42	1000
UT38D78S	270	1:1	1.60	0.46	0.46	0.32	0.32	27	1000
UT38D79S	500	1:2.73	-	0.35	0.35	1.00	1.00	9	1000
UT38D80S	635	1.53:1	2.60	0.77	0.77	0.26	0.38	42	1000

Note:

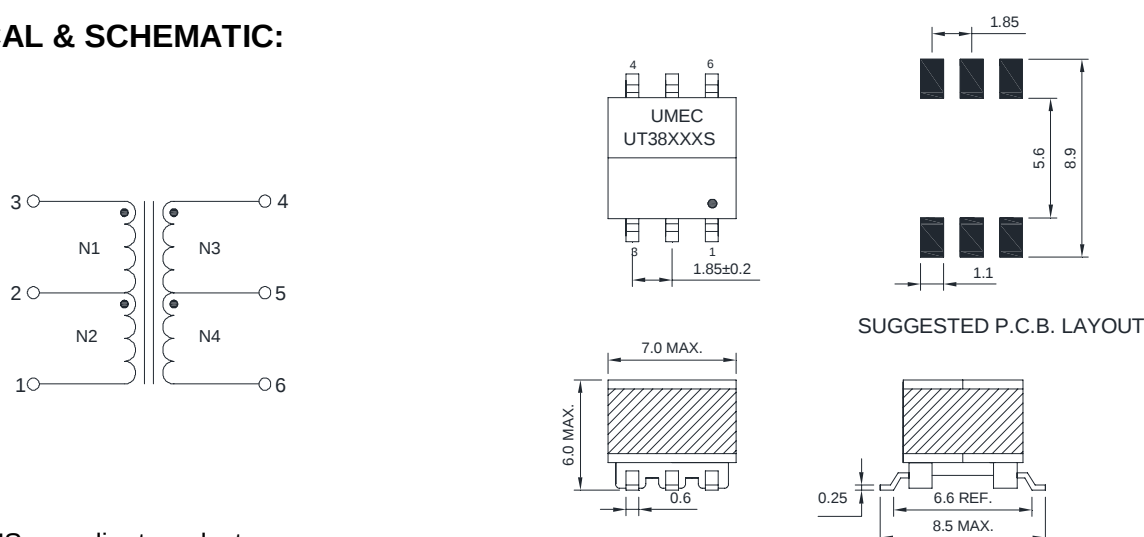
1. Inductance is for the N1+N2 winding, measured at 10kHz, 0.1 Vrms, 0 Adc.

2. Leakage inductance is for the N1+N2 winding with the N3+N4 windings shorted, measured at 100kHz, 0.1 Vrms.

Typical Application :

Model No.	Input Voltage (VDC) Vin (N1/N2)	Output Voltage (V) Vout (N3/N4)	Output Current (A) Iout	Switching Frequency (kHz)
UT38D76S	3 – 5.5	5.4 – 9.9	0.3	100 - 500
UT38D77S	3 – 5.5	3 – 5.5	0.33	100 - 500
UT38D78S	3 – 5.5	3 – 5.5	0.6	100 - 500
UT38D79S	5	12	0.45	500
UT38D80S	3 – 5.5	2 – 3.6	0.6	100 - 500

MECHANICAL & SCHEMATIC:



Note: For RoHS compliant products:

- Ordering code (Manufacturer Part Number): EX. TG-UT38D65S
- Solder: Sn/Ag/Cu.
- Date Code suffix to "G" .

For RoHS and AEC-Q200 compliant products:

- Ordering code (Manufacturer Part Number): EX. TG-UT38D65S-Q
- Date Code suffix to "GQ"



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