

TELEPHONE INTERCONNECT TRANSFORMERS

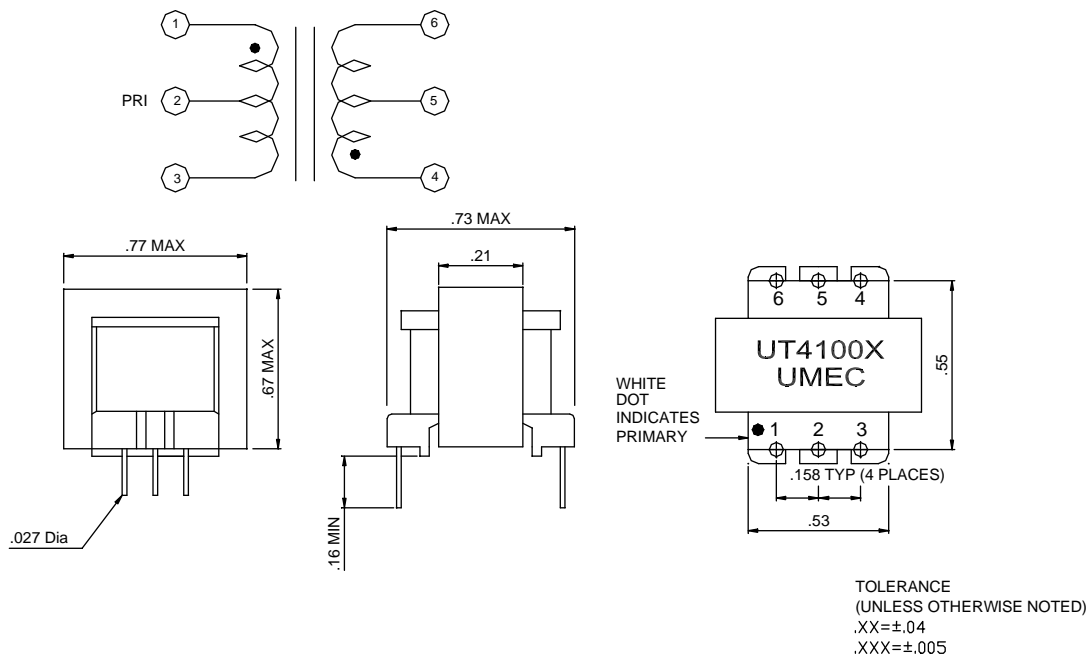
- I Operating temperature range 0 to +55°C.
- I Storage temperature range -20 to +70°C.
- I Isolation 1500 VAC (rms) MIN, primary to secondary and core; 500 VAC (rms) MIN, secondary to core.
- I Meets FCC Part 68 requirements.
- I Power level -45 dBm to +3 dBm (0 ADC).
- I Harmonic distortion 0.5% MAX, 300 Hz 0 dBm.
- I Longitudinal balance 60 dB MIN, 300 Hz 0 dBm.
- I Turns ratio 1:1 ± 3%.

ELECTRICAL SPECIFICATIONS @25°C

Model No.	Impedance (DC Resistance)		Frequency Response 300 to 3500 Hz	Insertion Loss At 1 KHz	Return Loss At 1 KHz 0dBm	Wideband Response 100 Hz to 10 KHz
	PRI (Ω)*	SEC (Ω)*				
UT41001	600(32)	600(43)	± 0.7 dB	1.5 dB MAX	14 dB MIN	± 2.5 dB
UT41002	600(32)	600(43)	± 0.6	1.4	15	± 1.4
UT41003	600(32)	600(43)	± 0.5	1.2	16	± 1.3
UT41004	10K (600)	10K (810)	± 0.8	1.7	20	± 3.0
UT41005	10K (600)	10K (810)	± 0.5	1.5	20	± 2.5

*±10% at 1KHz, 0 dBm, (DCR±15%)

Schematic



*Specifications are subject to change without prior notice.

DATA SHEET 01-41 JUL./04
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