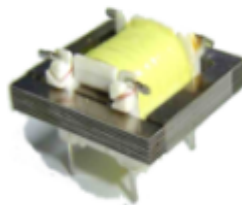


Modem TRANSFORMER



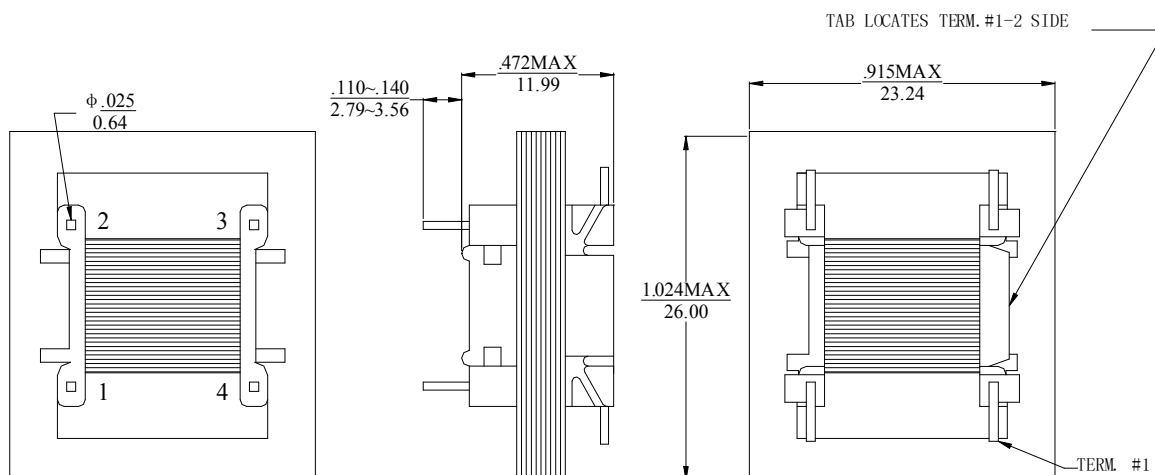
Electrical Specifications @ 25°C --- Operating temperature 0°C To 70°C .

Part Number : TH04-7038

Electrical Specifications :

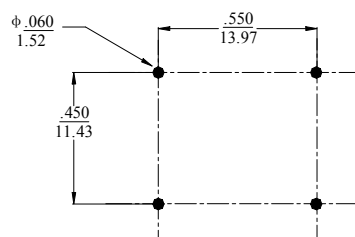
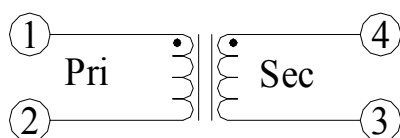
IMPEDANCE:	Designed to reflect 600 ohms on the PRI with 374 ohm load on SEC.	
LONGITUDINAL BALANCE:	60dB min. , 200~1000Hz; 40dB min., 1000~4000Hz, per FCC part 68.310 58dB min., great than 63dB typ., 200~1000Hz; 53dB min., great than 58dB typ. 1000~3000Hz; per IEEE-455, 1985/BELLCORE TR TSY 000057, Sect. 6.5.	
D.C. RESISTANCE(@20°C):	PRI, 108 ohms $\pm 10\%$, SEC, 120 ohms $\pm 10\%$	
FREQUENCY RESPONSE:	± 0.25 dB, 200Hz~4KHz.	
INSERTION LOSS:	2.0 ± 0.25 dB, 20°C	
DIELECTRIC RATING:	1000VAC, 1 minute tested by applying 1250VAC for 1second between PRI-SEC; PRI-Core. Meets or exceeds requirements of : CAN/CSA-C22.2 No.225(M90); DOC's CS-03 (Issue 7); UL's UL1459, 2nd ED.(1992); and FCC's part 68(58 FR 44907, AUG. 25, 1993).	
D.C CURRENT:	None.	
INDUCTANCE:	12H min, 200Hz, 1.0V, Lp(20H typical).	
RETURN LOSS:	20dB min, 300~3000Hz vs. 600 ohm.	
URNS RATIO:	(PRI):(SEC)=1:1, $\pm 2\%$.	
TOTAL HARMONIC DISTORTION:	LINE TO RECEIVE:	-82dB max., 600Hz, -10dBm input(V.90)
	TRANSMIT TO LINE:	-76dB typ., 150Hz, -3dBm output.

Mechanical Dimensions (Unit: inches / mm)



Unless otherwise specified , all tolerances are +/- .010 / 0.25

Schematics



Recommended P.C.B Layout

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DSL Transformer007