

Multi-Purpose Voice & Data Coupling Transformers

Impedance matching transformers for telecommunications.

Ideal for a variety of voice and data inter-connect networks

Isolation is 1500 V_{RMS} minimum

Longitudinal Balance is 60dB minimum

Frequency range: 300Hz to 3400Hz

Designed to meet FCC part 68

Custom Designs Available

Dry / Economy

Electrical Specifications at 25°C

Part Number	Impedance (Ohms)	UNBAL. DC (mA)	Insertion Loss ⁽¹⁾ (dB)	Frequency Response (dB)	Return Loss ⁽²⁾ (dB)	Pri. DCR max. (Ω)	Sec. DCR max. (Ω)	Schem. Style
T-30600	600 / 600	0.0	2.0	0.5	26	65	85	A
T-30601	600 / 600CT	0.0	2.0	0.5	26	65	85	B
T-30602	600CT / 600CT	0.0	2.0	0.5	26	65	85	C
T-30603	600 / 900	0.0	2.0	0.5	26	65	105	A
T-30604	600 / 900CT	0.0	2.0	0.5	26	65	105	B
T-30605	900 / 900	0.0	2.0	0.5	26	85	105	A
T-30606	900 / 900CT	0.0	2.0	0.5	26	85	105	B
T-31300	600 / 600	0.0	1.0	0.5	20	25	35	A
T-31301	600 / 600CT	0.0	1.0	0.5	20	25	35	B
T-31302	600CT / 600CT	0.0	1.0	0.5	20	25	35	C
T-31303	600 / 900	0.0	1.0	1.0	20	25	40	A
T-31304	900 / 900	0.0	1.0	1.0	20	35	40	A

Dry / High Performance

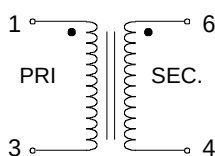
Electrical Specifications at 25°C

Part Number	Impedance (Ohms)	UNBAL. DC (mA)	Insertion Loss ⁽¹⁾ (dB)	Frequency Response (dB)	Return Loss ⁽²⁾ (dB)	Pri. DCR max. (Ω)	Sec. DCR max. (Ω)	Schem. Style
T-31350	600 / 600	0.0	0.85	0.25	20	25	35	A
T-31351	600 / 600CT	0.0	0.85	0.25	20	25	35	B
T-31352	600CT / 600CT	0.0	0.85	0.25	20	25	35	C
T-31353	600 / 900	0.0	0.85	0.25	20	25	40	A
T-31354	900 / 900	0.0	0.85	0.25	20	30	40	A

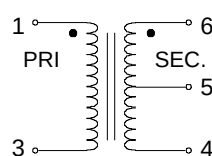
1. Insertion Loss measured at 1 KHz

2. Return Loss measured at 300 Hz

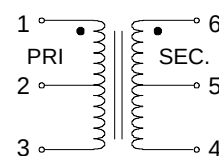
Schematic "A"



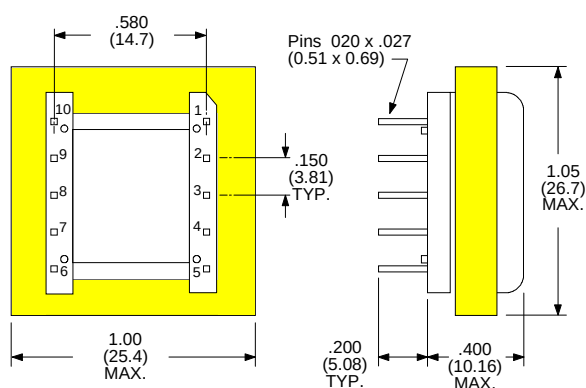
Schematic "B"



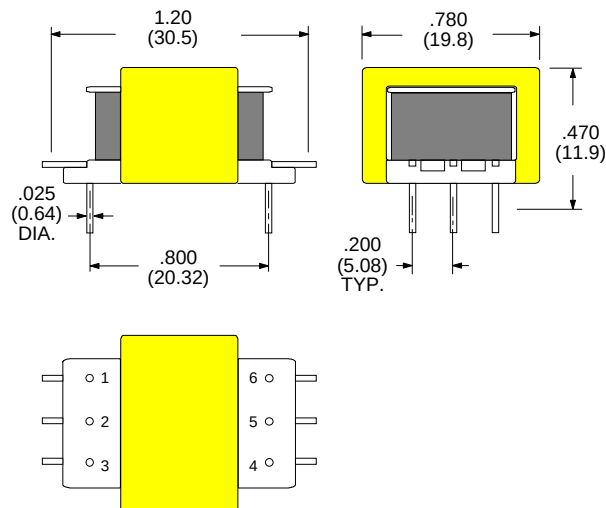
Schematic "C"



T-3060X Package per Table Above



T-313XX Package per Table Above



Dimensions in Inches (mm)

Unused Pins Omitted as Per Schematic

Specifications subject to change without notice.

For other values & Custom Designs, contact factory.

COUPLN56 - 11/98