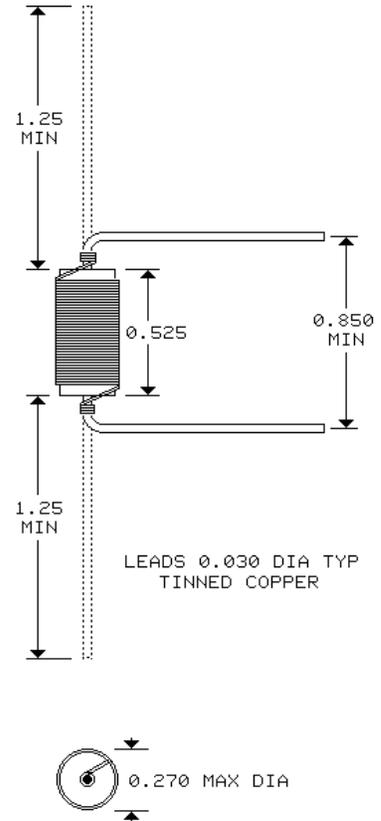
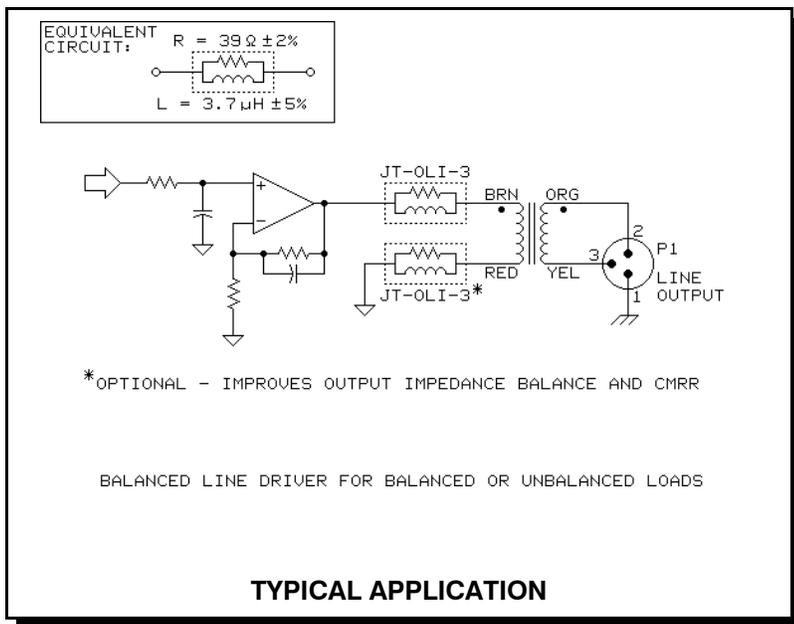


OUTPUT LOAD ISOLATOR

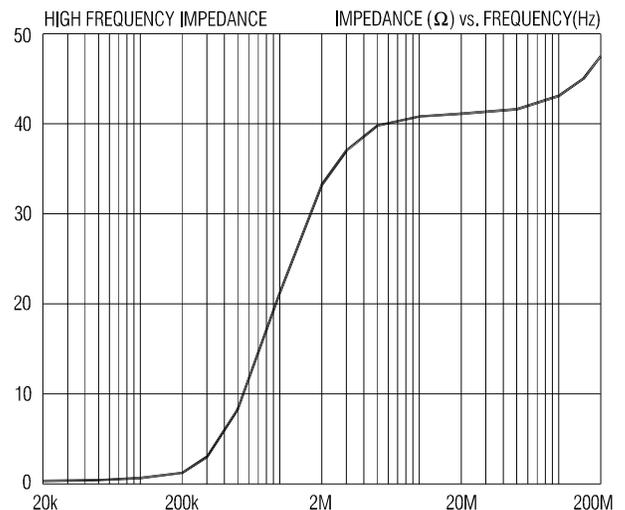
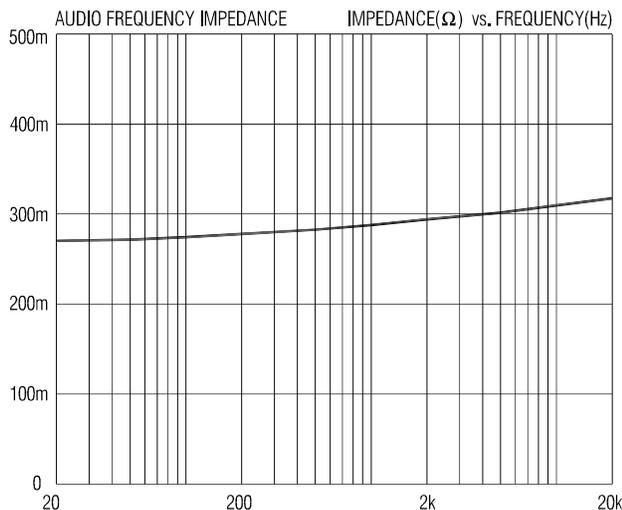
DECOUPLES CAPACITIVE LOADS AT HIGH FREQUENCIES

- Prevents oscillation and instability in line driving op-amps
- Maintains much lower output impedance than "build-out" resistors
- Non-ferrous core inductor eliminates added distortion
- No effect on audio frequency response or transient performance
- Less than 0.01 dB insertion loss in a 600 Ω line

The load isolator is designed to isolate op-amp outputs from capacitive loads such as a long cables. Its series impedance is about 0.3 Ω across the audio spectrum, but increases to about 40 ohms at RF frequencies to prevent amplifier instability or oscillation while preserving a low audio output impedance.



RECOMMENDED PCB HOLE SIZE = 0.038 DIA
 RECOMMENDED PCB LEAD SPACING = 0.850 MIN
 * SUPPORT LEADS AT BODY WHEN BENDING *



JT-OLI-3 SPECIFICATIONS

PARAMETER	CONDITIONS	MINIMUM	TYPICAL	MAXIMUM
Impedance	20 Hz		0.27 Ω	0.35 Ω
	20 kHz		0.32 Ω	0.55 Ω
	5 MHz		40 Ω	
DC resistance	4 terminal measurement	0.23 Ω	0.27 Ω	0.31 Ω
Inductance	150 kHz	3.5 μ H	3.7 μ H	3.9 μ H
Maximum current	(inductor power dissipation limit)			\pm 1.0 A
Temperature range	operation or storage	0° C		70° C
Maximum RF voltage (see IMPORTANT NOTE below)	(resistor power dissipation limit) frequency > 500 kHz			5 V RMS

All minimum and maximum specifications are guaranteed. Unless noted otherwise, all specifications apply at 25°C. Specifications subject to change without notice. All information herein is believed to be accurate and reliable, however no responsibility is assumed for its use nor for any infringements of patents which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of Jensen Transformers, Inc.

IMPORTANT NOTE: This device is NOT intended for use in life support systems or any application where its failure could cause injury or death. Consult our applications engineering department if you have special requirements.

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