TRIAD MAGNETICS

Audio Transformer

A-9J

Description:

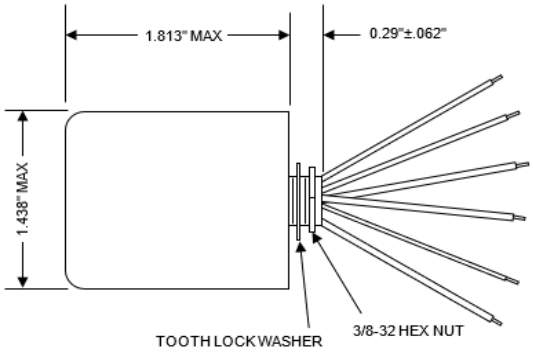
Triad's **A-9J** Input Transformer provides the durability and precision required in today's demanding designs. **Mu-Metal case** construction for magnetic field immunity and 60 to 80 dB Hum reduction. **Large step-up turns ratio** to couple low-level input signals to the grid of the first amplifier tube or, in a multistage system, to the input element of the first transistor amplifier. Low level **High Fidelity** with excellent Unwanted **Noise reduction**. Applications include signal pre-amplification, inter-stage isolation, signal level step up/down, and impedance matching.

For illustration purpose only

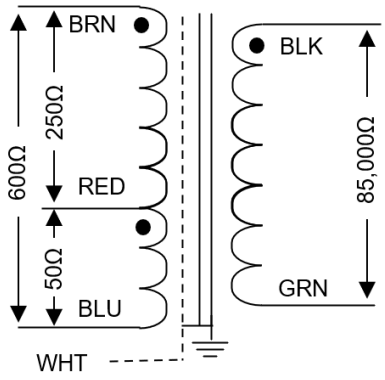
Electrical Specifications (@25C)

Impedance		DCR (Ω)	Overall Turns Ratio	Power level dBm
Pri (Ω)	Sec (Ω)			
600/250/50	85k	Brn – Red = 20.40 Red – Blu = 10.50 Grn – Blk = 3800	1:12	0

ALL LEADS = 6.0" Min



PARAMETER	CONDITIONS	TYPICAL
Frequency Range	---	30 Hz – 15KHZ
Gain	1kHz, Rs = 600 Ω RL = 85kΩ	+15 dB
Distortion (THD+N%)	1kHz, +8dBu input, Rs = 600 Ω RL = 85kΩ	0.005%
	1kHz, +0dBu input, Rs = 600 Ω RL = 85kΩ	0.003%
	1kHz, -8dBu input, Rs = 600 Ω RL = 85kΩ	0.002%
Max input level (20Hz)	1% THD + N%, Rs=600Ω, RL = 85kΩ	+6.5 dBu
Frequency response (1 kHz Ref.)	30 Hz, RS=600Ω, RL=85kΩ	-0.30dB
	15 kHz, RS=600Ω, RL=85kΩ	-1.2dB
Phase Shift @ 30Hz	Reference to source generator Rs= 600Ω, RL = 85kHz	+5°
Phase shift @ 15kHz		0°
CMRR	60 Hz	-88 dBu
	1 kHz	-84 dBu
Inductance Brn - Blu	1.0V @ 60Hz	12H Min.
Dielectric Test	500V @ 60Hz	---
Temperature Rating	Operation & Storage	0°C to 70°C
Weight (grams)	---	109 Typ.



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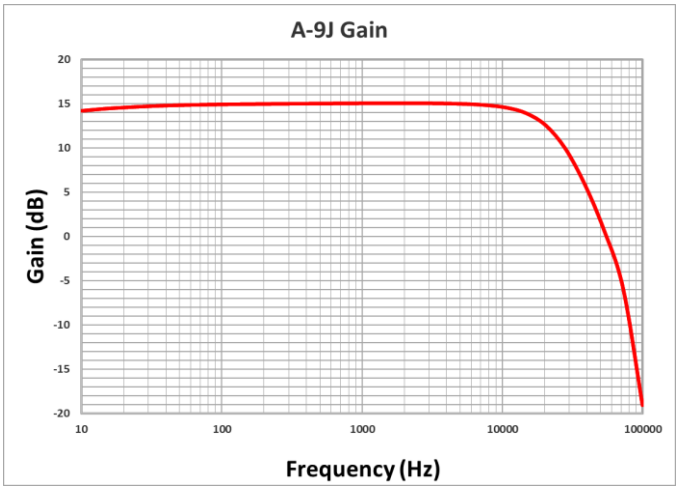

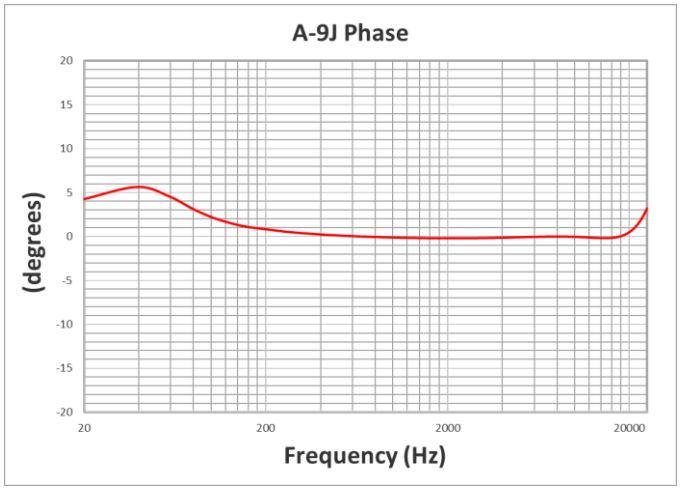

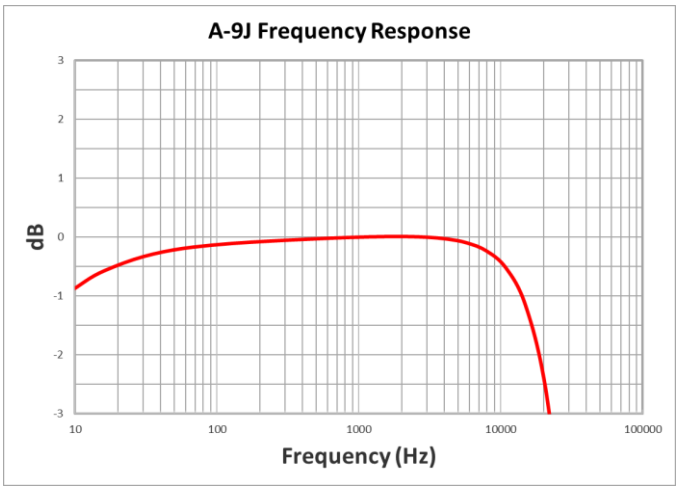

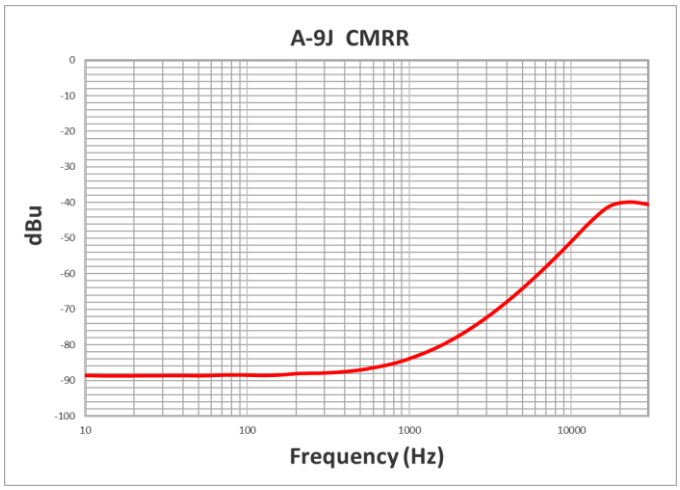

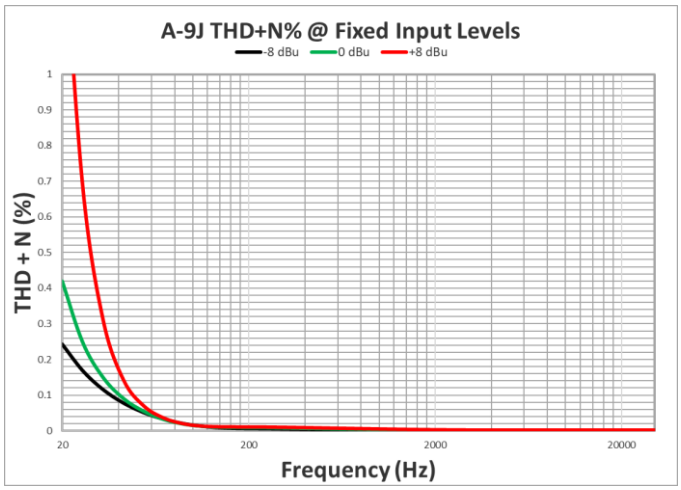

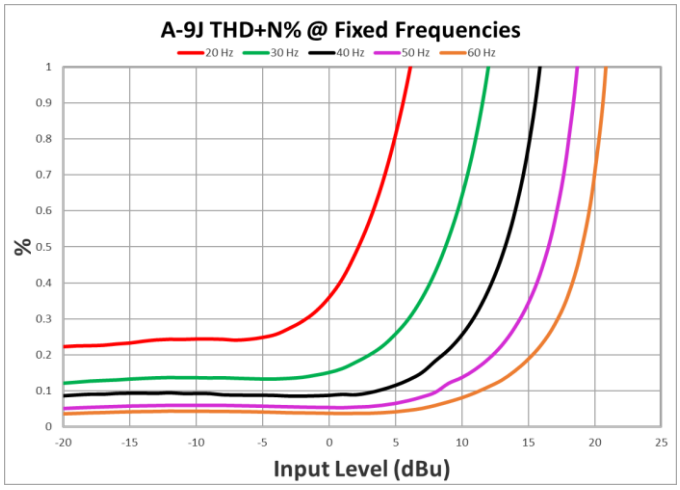

NOTE: Graph data was taken on a random sample using an Audio Precision Model APX555 Audio Analyzer.

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