TRIAD MAGNETICS

Audio Transformer

A-65J

Description:

Triad's **A-65J** Output Audio 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. **Ample turns ratios** to accommodate source to load impedance matching. **Wide range power handling capacity** to deliver full power without distortion within ± 3dB. Applications include: Signal Pre-Amplification, Impedance Matching, Inter-stage Isolation, Signal Level step up/down. **Dependable** construction with low temperature rise and high heat conductivity.

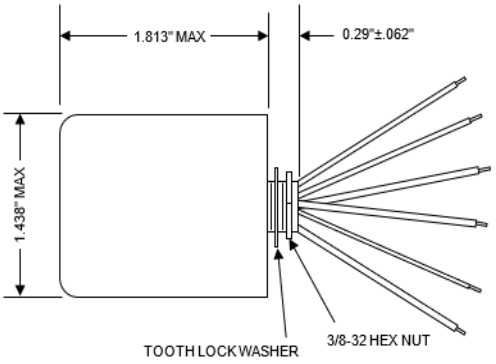
For illustration purpose only

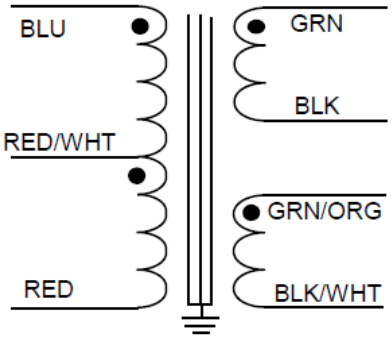
ALL LEADS = 6.0" Min

Electrical Specifications (@25°C)

Impedance		Overall Turns Ratio	DCR (Ω)	Power level dBm
Pri (Ω)	Sec (Ω)			
15000/ 3750	600/ 150	5:1	BLU-RED = 1170 GRN-BL K= 24 GRN/ORG – BLK/WHT = 35.5	+20

PARAMETER	CONDITIONS	TYPICAL
Frequency Range		30 Hz – 15KHz
Gain	1kHz, Rs = 15KΩ, RL = 600Ω	-15.3 dB
Distortion (THD+N%)	1kHz, +10 dBu input, Rs = 15KΩ, RL = 600Ω	0.07%
	1kHz, +0dBu input, Rs = 15KΩ, RL = 600Ω	0.023%
	1kHz, -10dBu input, Rs = 15KΩ, RL = 600Ω	0.007%
Max input level (30Hz)	1% THD + N%, Rs = 15KΩ, RL = 600Ω	+20.5dBu
Frequency response (1 kHz Ref.)	30 Hz, Rs = 15KΩ, RL = 600Ω	-0.12 dB
	15kHz, Rs = 15KΩ, RL = 600Ω	0.047 dB
Phase Shift @ 30Hz	Reference to source generator Rs = 15KΩ, RL = 600Ω	+3.84°
Phase shift @ 15kHz		0.155°
CMRR	60 Hz	130 dB
	1 kHz	106 dB
Temperature Rating	Operation & Storage	0°C to 70°C
Weight (grams)		130 Typ.





SCHEMATIC

*Upon printing, this document is considered "uncontrolled".

Please contact Triad Magnetics for the most current version.

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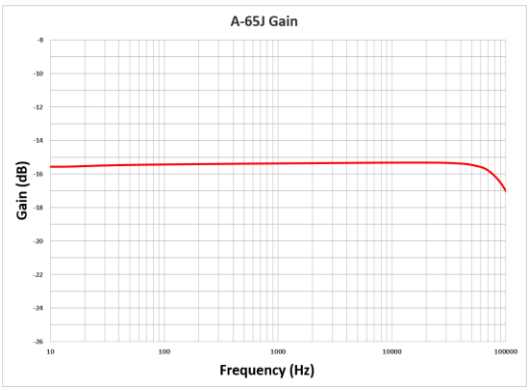

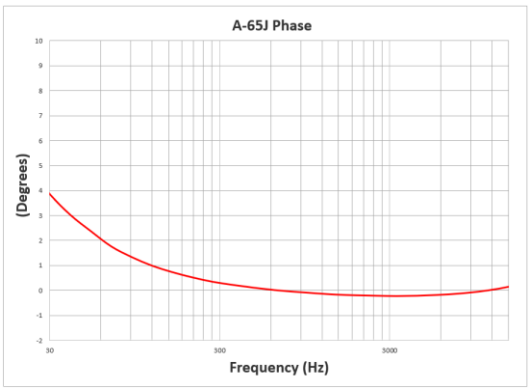

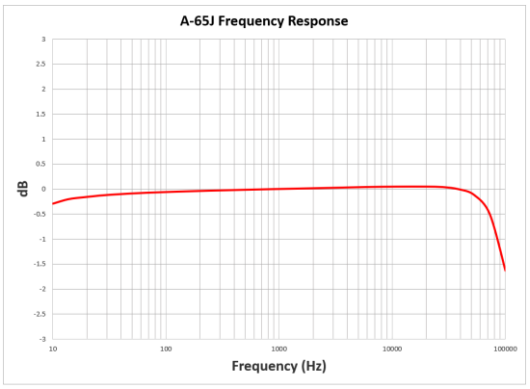

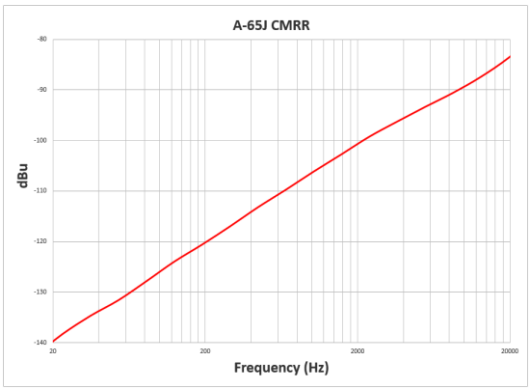

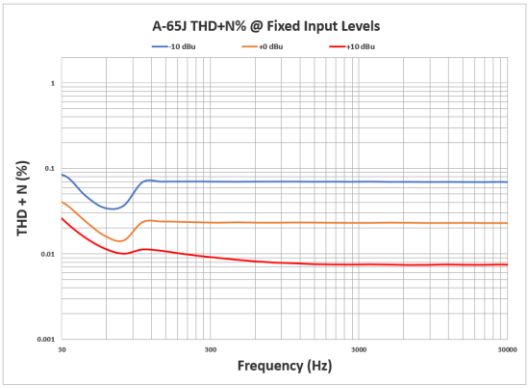

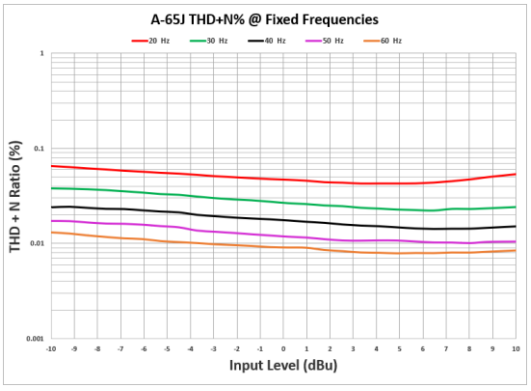

NOTE: Graph data was taken on a random sample using an Audio Precision Model APX555 Audio Analyzer.

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